




**nu-
wall**
CLADDING



SUPPLEMENTARY PRODUCT RESULTS

ENVIRONMENTAL IMPACT RESULTS FOR PANEL AND ANCILLARY PRODUCTS

NU-WALL ALUMINIUM CLADDING

BOARDS – POWDER COATED

BOARDS – ANODISED

ANCILLARIES – POWDER COATED

ANCILLARIES – ANODISED

Valid from: 2024-08-31

Valid until: 2029-08-30

This document is not an EPD



As a values-driven business, we're on a continuous improvement pathway in new product development and environmental practices, choosing a manufacturing process that drives low-carbon and healthy new buildings. Having a local supply chain means minimal transportation carbon emissions and supply chain resilience.

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Established in 1985, Nu-Wall® is one of New Zealand's leading aluminium cladding specialists, with products and systems designed and manufactured in New Zealand, enabling a reliable and resilient supply chain. Our core product – Nu Wall® Cladding – is a high-performance, low-maintenance and non-combustible BRANZ-appraised cladding system, with a 100-year base metal durability warranty. We are committed to providing innovative product designs that fulfil market needs in terms of aesthetics, functionality and sustainability.

Introduction

Nu-Wall powder coated and anodised products are used to clad a range of buildings, both residential and commercial. Board products are complemented by a range of ancillary profiles which, for example, provide a finish at corners, edges, and between building levels.

The following 76 product impact results are the outcome of Nu-Wall's product Life Cycle Assessment (LCA) conducted in 2024. These individual results are categorised within four Environmental Product Declarations (EPDs) that were generated from the LCA and published with [EPD Australasia](#)

While the published EPDs cover the Nu-Wall products contained in this document, only results for one representative product are able to be presented within each EPD. This document supports the published EPDs by providing the individual product impact results for all of the products assessed in the LCA study.



These results should be read in conjunction with the published Nu-Wall EPDs for a fuller understanding of the EPD process.

The Nu-Wall EPDs, (published 2024-10-09) with their registration numbers, are:

- Nu-Wall cladding – Boards – Powder Coated EPD-IES-0014123
- Nu-Wall cladding – Boards – Anodised EPD-IES-0014122
- Nu-Wall cladding – Ancillaries – Powder Coated EPD-IES-0014121
- Nu-Wall cladding – Ancillaries – Anodised EPD-IES-0014120

Nu-Wall EPDs can be downloaded from the EPD Australasia website: <https://epd-australasia.com/epd-search/>

Relationship to EPDs

While the results information presented within this document supports the published Nu-Wall EPDs, it must be understood that this document is not an EPD, nor does it form any formal part or requirement of the published Nu-Wall EPDs.

However, the results are generated from an independent fully verified LCA process.

Declared Unit

ISO 14040 defines a functional unit as “quantified performance of a product system for use as a reference unit”. EPDs that do not cover the full product life cycle from raw material extraction through to end-of-life use the term “declared unit” instead.

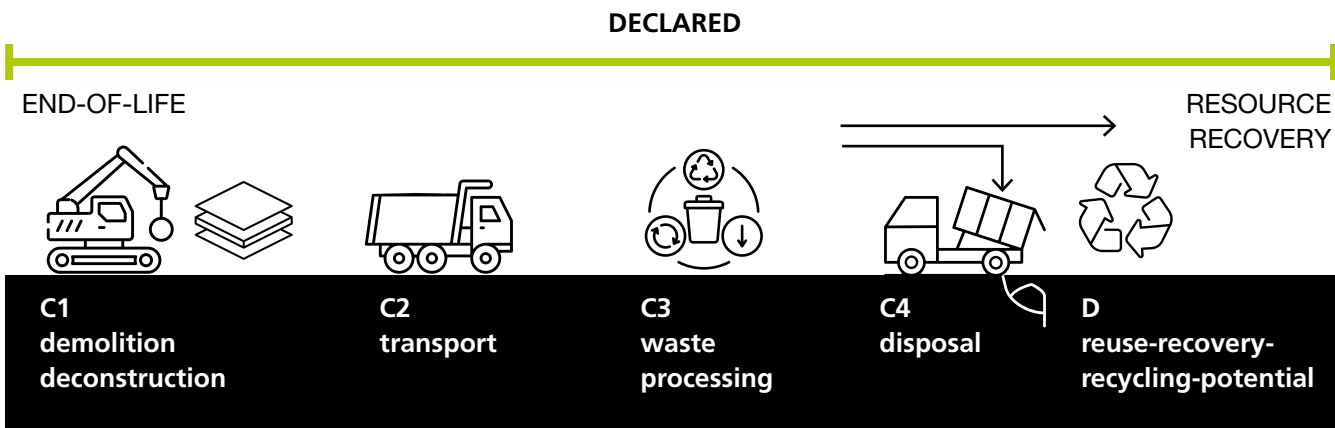
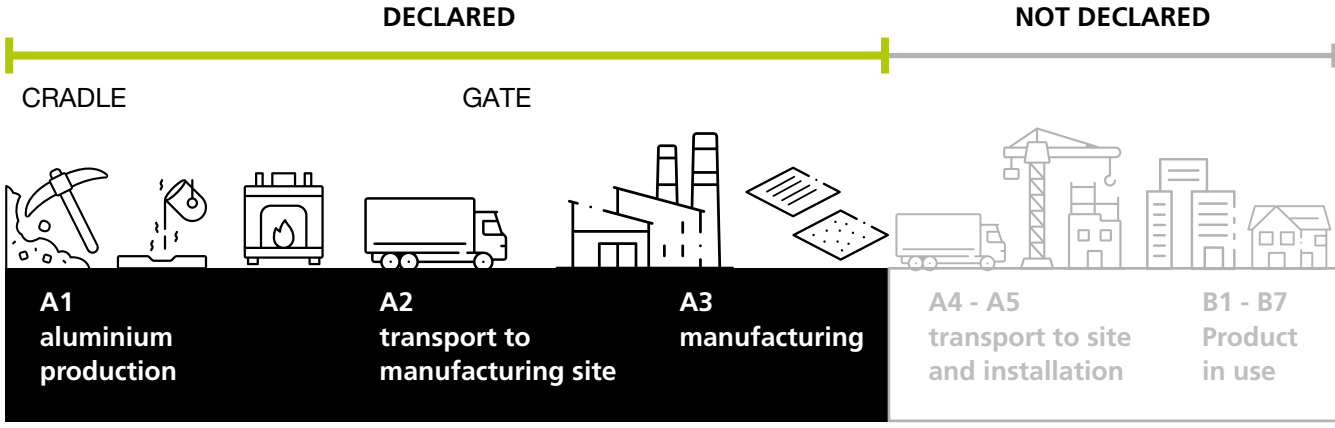
The declared unit for Nu-Wall board EPDs is: **one square metre (1 m²) of coverage, that being the amount required to provide a clad wall face of 1 m², including fastening clips.**

The declared unit for Nu-Wall ancillary EPDs is: **one lineal metre (1 LM).**

These declared units are typically specified quantities.

For further information on these results, the Nu-Wall EPDs, or Nu-Wall products, please visit www.nuwall.co.nz, or contact info@nuwall.co.nz.

NU-WALL'S DECLARED MODULES:



Core Environmental Impact Indicators



Climate change

(GWP-total, GWP-fossil, GWP-biogenic, GWP-luluc)
(Global Warming Potential)

A measure of greenhouse gas emissions, such as CO₂ and methane. These emissions are causing an increase in the absorption of radiation emitted by the earth, increasing the natural greenhouse effect. This may in turn have adverse impacts on ecosystem health, human health and material welfare. The Global Warming Potential (GWP-total) is split into three sub indicators: fossil (GWP-f), biogenic (GWP-b), and land-use and land-use change (GWP-luluc).



Photochemical Ozone Formation Potential

(POCP)

Photochemical Ozone Formation Potential gives an indication of the emissions from precursors that contribute to ground level smog formation, mainly ozone (O₃). Ground level ozone may be harmful to human health and ecosystems and may also damage crops. These emissions are produced by the reaction of volatile organic compounds (VOCs) and carbon monoxide in the presence of nitrogen oxides and UV light.



Eutrophication Potential

(EP freshwater, EP-marine, EP-terrestrial)

Eutrophication covers all potential impacts of excessively high levels of macronutrients, the most important of which are nitrogen (N) and phosphorus (P). In aquatic ecosystems where this term is mostly applied, this typically describes a degradation in water quality. Eutrophication can result in an undesirable change in the type of species that flourish and an increase in the production of biomass. As the decomposition of biomass consumes oxygen, eutrophication may decrease the available oxygen level in the water column and threaten fish in their ability to respire.



Climate change

(ODP)

Depletion of the ozone leads to higher levels of UVB ultraviolet rays reaching the earth's surface with detrimental effects on humans and plants. The Ozone Depletion Potential is a measure of air emissions that contribute to the depletion of the stratospheric ozone layer.



Water use

(WDP)

Water scarcity is a measure of the stress on a region due to water consumption.*



Abiotic Resource Depletion

(ADPE, ADPF)

The consumption of non-renewable resources decreases the availability of these resources and their associated functions in the future. Depletion of mineral resources and non-renewable energy resources are reported separately. Depletion of mineral resources is assessed based on total reserves.*



Acidification potential

(AP)

Acidification potential is a measure of emissions that cause acidifying effects to the environment. A molecule's acidification potential indicates its capacity to increase the hydrogen ion (H⁺) concentration in the presence of water, thus decreasing the pH value. Potential effects include fish mortality, forest decline, and the deterioration of building materials.

*The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

Additional Indicators

Resource use indicators

The resource use indicators describe the use of renewable and non-renewable material resources, renewable and non-renewable primary energy and water.

Note: Water consumption: The FW indicator in the EPD results tables reports consumption (i.e. net use) of 'blue water' (which includes river water, lake water and ground water). This indicator deliberately excludes consumption of 'green water' (rainwater), except for any additional water loss beyond what would occur in the original, natural system.

Waste material and output flow indicators

Waste indicators describe waste generated within the life cycle of the product. Waste is categorised by hazard class, End-of-Life fate and exported energy content.

Additional environmental impact indicators

Optional environmental impact categories provide further information on environmental impacts.

The results of the land use related impacts/soil quality indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

The GWP-GHG indicator is identical to GWP-total except that the CF for biogenic CO₂ is set to zero. It has been included in the EPD following the PCR.

GWP-GHG (IPCC AR6) is an additional GWP100 indicator that is aligned with the Intergovernmental Panel on Climate Change (IPCC) 2021 Sixth Assessment Report (AR6) (IPCC 2023), national greenhouse gas reporting frameworks in Australia and New Zealand, as well as previous versions of the Construction Products PCR (PCR2019:14v1.11). It excludes biogenic carbon and indirect radiative forcing.

The ionizing radiation impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and some construction materials, is also not measured by this indicator.

Biogenic carbon content

One kg biogenic carbon is equivalent to 44/12 kg CO₂.

Environmental impact (EN15804+A1) indicators

EN 15804+A1 Core environmental impact categories aid comparison and backwards compatibility with rating tools.

Please note:

The reported impact categories represent impact potentials, i.e., they are approximations of environmental impacts that could occur if the emissions would (a) follow the underlying impact pathway and (b) meet certain conditions in the receiving environment while doing so. The environmental impact results are therefore relative expressions only and do not predict actual impacts, the exceeding of thresholds, safety margins, or risks

Long-term emissions (>100 years) are not taken into consideration in the impact estimate.

The estimated impact results are only relative statements, which do not indicate the endpoints of the impact categories, exceeding threshold values, safety margins and/or risks. The use of the results of modules A1-A3 without considering the results of module C is discouraged.

Indicator abbreviations

Environmental impact EN15804+A2

EN15804+A2		
Environmental impact	Abb.	Unit
Climate change - total	GWP-total	kg CO ₂ -eq.
Climate change - fossil	GWP-fossil	kg CO ₂ -eq.
Climate change - biogenic	GWP-biogenic	kg CO ₂ -eq.
Climate change - land use and land use change	GWP-luluc	kg CO ₂ -eq.
Ozone Depletion	ODP	kg CFC11-eq.
Acidification	AP	Mole of H ⁺ eq.
Eutrophication aquatic freshwater	EP-freshwater	kg P eq.
Eutrophication aquatic marine	EP-marine	kg N eq.
Eutrophication terrestrial	EP-terrestrial	Mole of N eq.
Photochemical ozone formation	POCP	kg NMVOC eq.
Depletion of abiotic resources - minerals and metals	ADP-minerals&metals	kg Sb-eq.
Depletion of abiotic resources - fossil fuels	ADP-fossil	MJ
Water use	WDP	m ³ world equiv.

Resource use

Environmental impact	Abb.	Unit
Renewable primary energy as energy carrier	PERE	MJ
Renewable primary energy resources as material utilization	PERM	MJ
Total use of renewable primary energy resources	PERT	MJ
Non-renewable primary energy as energy carrier	PENRE	MJ
Non-renewable primary energy as material utilization	PENRM	MJ
Total use of non-renewable primary energy resources	PENRT	MJ
Use of secondary material	SM	kg
Use of renewable secondary fuels	RSF	MJ
Use of non-renewable secondary fuels	NRSF	MJ
Use of net fresh water	FW	m ³

Waste categories and output flows

Environmental impact	Abb.	Unit
Hazardous waste disposed	HWD	kg
Non-hazardous waste disposed	NHWD	kg
Radioactive waste disposed	RWD	kg
Components for re-use	CRU	kg
Materials for recycling	MFR	kg
Materials for energy recovery	MER	kg
Exported electrical energy	EEE	MJ
Exported thermal energy	EET	MJ

Biogenic carbon content

Environmental impact	Abb.	Unit
Biogenic carbon content - product	BCC-prod	kg
Biogenic carbon content - packaging	BCC-pack	kg

Additional Indicators

Environmental impact	Abb.	Unit
IPCC AR5 GWP (excluding biogenic carbon)	IPCC AR5 GWP-GHG	kg CO ₂ -eq.
GWP-GHG	GWP-GHG	kg CO ₂ -eq.
Respiratory inorganics	PM	Disease incidences
Ionizing radiation - human health	IRP	kBq U235 eq.
Eco-toxicity - freshwater	ETP-fw	CTUe
Human toxicity, cancer	HTPc	CTUh
Human toxicity, non-canc.	HTPnc	CTUh
Land use related impacts / soil quality	SQP	Pt

Environmental impact EN15804+A1

EN15804+A2		
Environmental impact	Abb.	Unit
Global warming potential	GWP	kg CO ₂ -eq.
Depletion potential of the stratospheric ozone layer	ODP	kg CFC11-eq.
Acidification potential of land and water	AP	kg SO ₂ -eq.
Eutrophication potential	EP	kg PO ₄ ³⁻ -eq.
Photochemical ozone creation potential	POCP	kg C ₂ H ₄ -eq.
Abiotic depletion potential - elements	ADPE	kg Sb-eq.
Abiotic depletion potential - fossil fuels	ADPF	MJ

EPD results for 1m² of:

NC131 Aero-70 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	25.8	0.00331	0.0356	0	0.0124	-35.7
GWP-fossil	kg CO ₂ -eq.	25.5	0.00331	0.0356	0	0.0122	-35.6
GWP-biogenic	kg CO ₂ -eq.	0.244	1.63E-07	1.78E-06	0	1.57E-04	-0.0629
GWP-luluc	kg CO ₂ -eq.	0.00248	3.85E-08	4.20E-07	0	3.84E-05	-0.00326
ODP	kg CFC11-eq.	4.42E-11	7.30E-17	7.97E-16	0	3.14E-14	-2.89E-11
AP	Mole of H+ eq.	0.125	1.59E-05	2.16E-04	0	8.76E-05	-0.125
EP-freshwater	kg P eq.	4.59E-05	5.77E-10	6.30E-09	0	2.49E-08	-1.20E-05
EP-marine	kg N eq.	0.0199	7.78E-06	1.09E-04	0	2.26E-05	-0.0213
EP-terrestrial	Mole of N eq.	0.228	8.52E-05	0.00120	0	2.49E-04	-0.231
POCP	kg NMVOC eq.	0.0596	2.17E-05	2.10E-04	0	6.83E-05	-0.0632
ADP-minerals&metals	kg Sb-eq.	4.60E-05	1.06E-11	1.15E-10	0	5.71E-10	-1.25E-06
ADP-fossil	MJ	297	0.0449	0.489	0	0.164	-482
WDP	m ³ world equiv.	6.76	5.48E-06	5.98E-05	0	0.00136	-2.21

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	256	3.94E-05	4.30E-04	-0.263	0.0268	-164
PERM	MJ	6.31	0	0	0	0	0
PERT	MJ	262	3.94E-05	4.30E-04	-0.263	0.0268	-164
PENRE	MJ	461	0.0449	0.489	8.16	0.165	-347
PENRM	MJ	-3.41	0	0	-8.16	0	-136
PENRT	MJ	458	0.0449	0.489	0	0.165	-483
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.709	1.03E-07	1.12E-06	0	4.16E-05	-0.331

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.17E-07	2.78E-14	3.04E-13	0	3.58E-12	5.39E-08
NHWD	kg	1.72	5.07E-07	5.53E-06	0	0.823	-8.27
RWD	kg	0.00375	1.38E-09	1.51E-08	0	1.88E-06	-0.0371
CRU	kg	0	0	0	0	0	0
MFR	kg	6.11E-04	0	0	4.66	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	25.5	0.00331	0.0356	0	0.0122	-35.5
GWP-GHG	kg CO ₂ -eq.	25.6	0.00331	0.0356	0	0.0122	-35.7
PM	Disease incidences	2.12E-06	1.81E-10	6.97E-10	0	1.08E-09	-1.33E-06
IRP	kBq U235 eq.	0.579	1.41E-07	1.54E-06	0	2.18E-04	-8.25
ETP-fw	CTUe	272	0.0105	0.115	0	0.119	-125
HTPc	CTUh	1.27E-08	1.74E-13	1.91E-12	0	1.38E-11	-1.50E-08
HTPnc	CTUh	1.57E-07	3.83E-12	4.13E-11	0	1.46E-09	-3.11E-07
SQP	Pt	67.4	3.86E-05	4.21E-04	0	0.0399	-13.1

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	25.6	0.00330	0.0355	0	0.0122	-35.5
ODP	kg CFC11-eq.	5.27E-11	8.60E-17	9.38E-16	0	3.70E-14	-3.41E-11
AP	kg SO ₂ -eq.	0.104	1.10E-05	1.46E-04	0	6.97E-05	-0.105
EP	kg PO ₄ ³⁻ -eq.	0.00752	2.60E-06	3.69E-05	0	7.91E-06	-0.00758
POCP	kg C ₂ H ₄ -eq.	0.00655	1.07E-06	-5.99E-05	0	5.25E-06	-0.00634
ADPE	kg Sb-eq.	4.60E-05	1.06E-11	1.15E-10	0	5.81E-10	-1.52E-06
ADPF	MJ	284	0.0448	0.488	0	0.158	-370

EPD results for 1m² of:

NC127 Ripple-150 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	26.2	0.00334	0.0360	0	0.0125	-36.1
GWP-fossil	kg CO ₂ -eq.	25.9	0.00334	0.0360	0	0.0123	-36.0
GWP-biogenic	kg CO ₂ -eq.	0.248	1.65E-07	1.80E-06	0	1.59E-04	-0.0636
GWP-luluc	kg CO ₂ -eq.	0.00252	3.89E-08	4.24E-07	0	3.87E-05	-0.00329
ODP	kg CFC11-eq.	4.52E-11	7.38E-17	8.05E-16	0	3.17E-14	-2.92E-11
AP	Mole of H+ eq.	0.127	1.60E-05	2.18E-04	0	8.84E-05	-0.127
EP-freshwater	kg P eq.	4.76E-05	5.83E-10	6.36E-09	0	2.51E-08	-1.21E-05
EP-marine	kg N eq.	0.0202	7.86E-06	1.10E-04	0	2.29E-05	-0.0215
EP-terrestrial	Mole of N eq.	0.231	8.60E-05	0.00122	0	2.51E-04	-0.234
POCP	kg NMVOC eq.	0.0605	2.19E-05	2.12E-04	0	6.90E-05	-0.0638
ADP-minerals&metals	kg Sb-eq.	4.68E-05	1.07E-11	1.16E-10	0	5.77E-10	-1.26E-06
ADP-fossil	MJ	302	0.0453	0.494	0	0.166	-487
WDP	m ³ world equiv.	6.85	5.54E-06	6.04E-05	0	0.00137	-2.23

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	261	3.98E-05	4.34E-04	-0.266	0.0271	-165
PERM	MJ	6.37	0	0	0	0	0
PERT	MJ	267	3.98E-05	4.34E-04	-0.266	0.0271	-165
PENRE	MJ	468	0.0453	0.494	8.24	0.166	-350
PENRM	MJ	-3.45	0	0	-8.24	0	-138
PENRT	MJ	464	0.0453	0.494	0	0.166	-488
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.720	1.04E-07	1.13E-06	0	4.20E-05	-0.334

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.19E-07	2.81E-14	3.07E-13	0	3.61E-12	5.44E-08
NHWD	kg	1.78	5.12E-07	5.58E-06	0	0.831	-8.35
RWD	kg	0.00382	1.40E-09	1.53E-08	0	1.90E-06	-0.0375
CRU	kg	0	0	0	0	0	0
MFR	kg	6.17E-04	0	0	4.70	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	25.9	0.00334	0.0360	0	0.0123	-35.9
GWP-GHG	kg CO ₂ -eq.	26.0	0.00334	0.0360	0	0.0124	-36.0
PM	Disease incidences	2.14E-06	1.83E-10	7.04E-10	0	1.09E-09	-1.35E-06
IRP	kBq U235 eq.	0.590	1.43E-07	1.56E-06	0	2.20E-04	-8.33
ETP-fw	CTUe	279	0.0106	0.116	0	0.120	-126
HTPc	CTUh	1.29E-08	1.76E-13	1.93E-12	0	1.39E-11	-1.52E-08
HTPnc	CTUh	1.61E-07	3.87E-12	4.17E-11	0	1.47E-09	-3.15E-07
SQP	Pt	68.5	3.90E-05	4.25E-04	0	0.0403	-13.3

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	26.0	0.00333	0.0358	0	0.0124	-35.8
ODP	kg CFC11-eq.	5.39E-11	8.69E-17	9.48E-16	0	3.74E-14	-3.44E-11
AP	kg SO ₂ -eq.	0.106	1.11E-05	1.48E-04	0	7.03E-05	-0.106
EP	kg PO ₄ ³⁻ -eq.	0.00765	2.63E-06	3.72E-05	0	7.99E-06	-0.00765
POCP	kg C ₂ H ₄ -eq.	0.00667	1.08E-06	-6.05E-05	0	5.30E-06	-0.00640
ADPE	kg Sb-eq.	4.67E-05	1.07E-11	1.16E-10	0	5.87E-10	-1.54E-06
ADPF	MJ	289	0.0452	0.493	0	0.159	-373

EPD results for 1m² of:

NC100 Classique Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	26.7	0.00342	0.0368	0	0.0128	-36.9
GWP-fossil	kg CO ₂ -eq.	26.4	0.00342	0.0368	0	0.0126	-36.9
GWP-biogenic	kg CO ₂ -eq.	0.252	1.69E-07	1.84E-06	0	1.62E-04	-0.0651
GWP-luluc	kg CO ₂ -eq.	0.00256	3.98E-08	4.34E-07	0	3.97E-05	-0.00337
ODP	kg CFC11-eq.	4.57E-11	7.55E-17	8.24E-16	0	3.25E-14	-2.99E-11
AP	Mole of H+ eq.	0.129	1.64E-05	2.24E-04	0	9.06E-05	-0.130
EP-freshwater	kg P eq.	4.75E-05	5.97E-10	6.52E-09	0	2.57E-08	-1.24E-05
EP-marine	kg N eq.	0.0206	8.04E-06	1.13E-04	0	2.34E-05	-0.0220
EP-terrestrial	Mole of N eq.	0.236	8.81E-05	0.00125	0	2.57E-04	-0.239
POCP	kg NMVOC eq.	0.0616	2.25E-05	2.17E-04	0	7.06E-05	-0.0654
ADP-minerals&metals	kg Sb-eq.	4.76E-05	1.09E-11	1.19E-10	0	5.91E-10	-1.29E-06
ADP-fossil	MJ	307	0.0464	0.506	0	0.170	-498
WDP	m ³ world equiv.	6.99	5.67E-06	6.19E-05	0	0.00140	-2.29

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	265	4.08E-05	4.45E-04	-0.272	0.0277	-169
PERM	MJ	6.52	0	0	0	0	0
PERT	MJ	271	4.08E-05	4.45E-04	-0.272	0.0277	-169
PENRE	MJ	477	0.0464	0.506	8.44	0.170	-358
PENRM	MJ	-3.53	0	0	-8.44	0	-141
PENRT	MJ	474	0.0464	0.506	0	0.170	-499
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.733	1.06E-07	1.16E-06	0	4.30E-05	-0.342

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.21E-07	2.88E-14	3.14E-13	0	3.70E-12	5.57E-08
NHWD	kg	1.78	5.24E-07	5.72E-06	0	0.851	-8.55
RWD	kg	0.00388	1.43E-09	1.56E-08	0	1.95E-06	-0.0384
CRU	kg	0	0	0	0	0	0
MFR	kg	6.32E-04	0	0	4.82	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	26.4	0.00342	0.0368	0	0.0126	-36.7
GWP-GHG	kg CO ₂ -eq.	26.5	0.00342	0.0368	0	0.0127	-36.9
PM	Disease incidences	2.19E-06	1.87E-10	7.21E-10	0	1.11E-09	-1.38E-06
IRP	kBq U235 eq.	0.599	1.46E-07	1.59E-06	0	2.25E-04	-8.53
ETP-fw	CTUe	281	0.0109	0.119	0	0.123	-129
HTPc	CTUh	1.32E-08	1.80E-13	1.98E-12	0	1.43E-11	-1.55E-08
HTPnc	CTUh	1.62E-07	3.96E-12	4.27E-11	0	1.51E-09	-3.22E-07
SQP	Pt	69.7	3.99E-05	4.35E-04	0	0.0413	-13.6

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	26.5	0.00341	0.0367	0	0.0127	-36.7
ODP	kg CFC11-eq.	5.45E-11	8.89E-17	9.71E-16	0	3.83E-14	-3.52E-11
AP	kg SO ₂ -eq.	0.108	1.14E-05	1.51E-04	0	7.20E-05	-0.109
EP	kg PO ₄ ³⁻ -eq.	0.00778	2.69E-06	3.81E-05	0	8.18E-06	-0.00784
POCP	kg C ₂ H ₄ -eq.	0.00677	1.11E-06	-6.19E-05	0	5.43E-06	-0.00656
ADPE	kg Sb-eq.	4.76E-05	1.09E-11	1.19E-10	0	6.01E-10	-1.57E-06
ADPF	MJ	294	0.0463	0.505	0	0.163	-382

EPD results for 1m² of:

NC132 Aero-115 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	26.9	0.00344	0.0370	0	0.0128	-37.1
GWP-fossil	kg CO ₂ -eq.	26.6	0.00344	0.0370	0	0.0126	-37.0
GWP-biogenic	kg CO ₂ -eq.	0.254	1.69E-07	1.85E-06	0	1.63E-04	-0.0654
GWP-luluc	kg CO ₂ -eq.	0.00259	4.00E-08	4.36E-07	0	3.98E-05	-0.00338
ODP	kg CFC11-eq.	4.62E-11	7.59E-17	8.28E-16	0	3.27E-14	-3.01E-11
AP	Mole of H+ eq.	0.130	1.65E-05	2.25E-04	0	9.10E-05	-0.130
EP-freshwater	kg P eq.	4.84E-05	6.00E-10	6.55E-09	0	2.58E-08	-1.24E-05
EP-marine	kg N eq.	0.0207	8.08E-06	1.14E-04	0	2.35E-05	-0.0221
EP-terrestrial	Mole of N eq.	0.237	8.85E-05	0.00125	0	2.59E-04	-0.240
POCP	kg NMVOC eq.	0.0621	2.26E-05	2.18E-04	0	7.09E-05	-0.0656
ADP-minerals&metals	kg Sb-eq.	4.80E-05	1.10E-11	1.20E-10	0	5.93E-10	-1.30E-06
ADP-fossil	MJ	310	0.0466	0.508	0	0.171	-501
WDP	m ³ world equiv.	7.04	5.70E-06	6.22E-05	0	0.00141	-2.30

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	267	4.09E-05	4.47E-04	-0.273	0.0279	-170
PERM	MJ	6.55	0	0	0	0	0
PERT	MJ	274	4.09E-05	4.47E-04	-0.273	0.0279	-170
PENRE	MJ	480	0.0466	0.508	8.48	0.171	-360
PENRM	MJ	-3.54	0	0	-8.48	0	-141
PENRT	MJ	477	0.0466	0.508	0	0.171	-502
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.739	1.07E-07	1.17E-06	0	4.32E-05	-0.344

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.22E-07	2.89E-14	3.15E-13	0	3.72E-12	5.60E-08
NHWD	kg	1.81	5.26E-07	5.74E-06	0	0.855	-8.59
RWD	kg	0.00391	1.44E-09	1.57E-08	0	1.95E-06	-0.0385
CRU	kg	0	0	0	0	0	0
MFR	kg	6.34E-04	0	0	4.84	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	26.6	0.00344	0.0370	0	0.0127	-36.9
GWP-GHG	kg CO ₂ -eq.	26.7	0.00344	0.0370	0	0.0127	-37.1
PM	Disease incidences	2.20E-06	1.88E-10	7.24E-10	0	1.12E-09	-1.39E-06
IRP	kBq U235 eq.	0.605	1.47E-07	1.60E-06	0	2.26E-04	-8.57
ETP-fw	CTUe	285	0.0109	0.119	0	0.124	-130
HTPc	CTUh	1.33E-08	1.81E-13	1.99E-12	0	1.43E-11	-1.56E-08
HTPnc	CTUh	1.64E-07	3.98E-12	4.29E-11	0	1.51E-09	-3.23E-07
SQP	Pt	70.3	4.01E-05	4.37E-04	0	0.0415	-13.6

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	26.7	0.00343	0.0369	0	0.0127	-36.8
ODP	kg CFC11-eq.	5.51E-11	8.93E-17	9.75E-16	0	3.84E-14	-3.54E-11
AP	kg SO ₂ -eq.	0.109	1.14E-05	1.52E-04	0	7.24E-05	-0.109
EP	kg PO ₄ ³⁻ -eq.	0.00784	2.71E-06	3.83E-05	0	8.21E-06	-0.00787
POCP	kg C ₂ H ₄ -eq.	0.00683	1.11E-06	-6.22E-05	0	5.45E-06	-0.00659
ADPE	kg Sb-eq.	4.79E-05	1.10E-11	1.20E-10	0	6.04E-10	-1.58E-06
ADPF	MJ	297	0.0465	0.507	0	0.164	-384

EPD results for 1m² of:

NC123 Shiplap Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	26.8	0.00344	0.0370	0	0.0128	-37.1
GWP-fossil	kg CO ₂ -eq.	26.5	0.00344	0.0370	0	0.0126	-37.0
GWP-biogenic	kg CO ₂ -eq.	0.253	1.69E-07	1.85E-06	0	1.63E-04	-0.0654
GWP-luluc	kg CO ₂ -eq.	0.00258	4.00E-08	4.36E-07	0	3.99E-05	-0.00339
ODP	kg CFC11-eq.	4.59E-11	7.59E-17	8.28E-16	0	3.27E-14	-3.01E-11
AP	Mole of H+ eq.	0.130	1.65E-05	2.25E-04	0	9.10E-05	-0.130
EP-freshwater	kg P eq.	4.76E-05	6.00E-10	6.55E-09	0	2.58E-08	-1.25E-05
EP-marine	kg N eq.	0.0207	8.08E-06	1.14E-04	0	2.35E-05	-0.0221
EP-terrestrial	Mole of N eq.	0.237	8.85E-05	0.00125	0	2.59E-04	-0.241
POCP	kg NMVOC eq.	0.0619	2.26E-05	2.18E-04	0	7.09E-05	-0.0657
ADP-minerals&metals	kg Sb-eq.	4.78E-05	1.10E-11	1.20E-10	0	5.93E-10	-1.30E-06
ADP-fossil	MJ	309	0.0466	0.509	0	0.171	-501
WDP	m ³ world equiv.	7.02	5.70E-06	6.22E-05	0	0.00141	-2.30

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	266	4.10E-05	4.47E-04	-0.274	0.0279	-170
PERM	MJ	6.55	0	0	0	0	0
PERT	MJ	272	4.10E-05	4.47E-04	-0.274	0.0279	-170
PENRE	MJ	479	0.0466	0.509	8.48	0.171	-360
PENRM	MJ	-3.55	0	0	-8.48	0	-142
PENRT	MJ	476	0.0466	0.509	0	0.171	-502
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.737	1.07E-07	1.17E-06	0	4.32E-05	-0.344

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.22E-07	2.89E-14	3.15E-13	0	3.72E-12	5.60E-08
NHWD	kg	1.78	5.27E-07	5.75E-06	0	0.855	-8.59
RWD	kg	0.00389	1.44E-09	1.57E-08	0	1.96E-06	-0.0386
CRU	kg	0	0	0	0	0	0
MFR	kg	6.35E-04	0	0	4.84	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	26.5	0.00344	0.0370	0	0.0127	-36.9
GWP-GHG	kg CO ₂ -eq.	26.6	0.00344	0.0370	0	0.0127	-37.1
PM	Disease incidences	2.20E-06	1.88E-10	7.24E-10	0	1.12E-09	-1.39E-06
IRP	kBq U235 eq.	0.602	1.47E-07	1.60E-06	0	2.26E-04	-8.57
ETP-fw	CTUe	282	0.0109	0.119	0	0.124	-130
HTPc	CTUh	1.32E-08	1.81E-13	1.99E-12	0	1.43E-11	-1.56E-08
HTPnc	CTUh	1.63E-07	3.98E-12	4.29E-11	0	1.51E-09	-3.24E-07
SQP	Pt	70.0	4.01E-05	4.37E-04	0	0.0415	-13.6

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	26.6	0.00343	0.0369	0	0.0127	-36.8
ODP	kg CFC11-eq.	5.47E-11	8.94E-17	9.75E-16	0	3.85E-14	-3.54E-11
AP	kg SO ₂ -eq.	0.108	1.14E-05	1.52E-04	0	7.24E-05	-0.109
EP	kg PO ₄ ³⁻ -eq.	0.00781	2.71E-06	3.83E-05	0	8.22E-06	-0.00787
POCP	kg C ₂ H ₄ -eq.	0.00680	1.11E-06	-6.22E-05	0	5.45E-06	-0.00659
ADPE	kg Sb-eq.	4.78E-05	1.10E-11	1.20E-10	0	6.04E-10	-1.58E-06
ADPF	MJ	296	0.0465	0.508	0	0.164	-384

EPD results for 1m² of:

NC140 Louvre-120 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	27.5	0.00354	0.0381	0	0.0132	-38.2
GWP-fossil	kg CO ₂ -eq.	27.3	0.00354	0.0381	0	0.0130	-38.2
GWP-biogenic	kg CO ₂ -eq.	0.259	1.75E-07	1.91E-06	0	1.68E-04	-0.0674
GWP-luluc	kg CO ₂ -eq.	0.00264	4.12E-08	4.50E-07	0	4.11E-05	-0.00349
ODP	kg CFC11-eq.	4.70E-11	7.82E-17	8.53E-16	0	3.37E-14	-3.10E-11
AP	Mole of H+ eq.	0.134	1.70E-05	2.32E-04	0	9.38E-05	-0.134
EP-freshwater	kg P eq.	4.83E-05	6.18E-10	6.75E-09	0	2.66E-08	-1.28E-05
EP-marine	kg N eq.	0.0212	8.33E-06	1.17E-04	0	2.42E-05	-0.0228
EP-terrestrial	Mole of N eq.	0.243	9.12E-05	0.00129	0	2.67E-04	-0.248
POCP	kg NMVOC eq.	0.0636	2.33E-05	2.24E-04	0	7.31E-05	-0.0677
ADP-minerals&metals	kg Sb-eq.	4.92E-05	1.13E-11	1.23E-10	0	6.11E-10	-1.34E-06
ADP-fossil	MJ	317	0.0480	0.524	0	0.176	-516
WDP	m ³ world equiv.	7.22	5.87E-06	6.41E-05	0	0.00145	-2.37

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	273	4.22E-05	4.61E-04	-0.282	0.0287	-175
PERM	MJ	6.75	0	0	0	0	0
PERT	MJ	279	4.22E-05	4.61E-04	-0.282	0.0287	-175
PENRE	MJ	493	0.0480	0.524	8.74	0.176	-371
PENRM	MJ	-3.65	0	0	-8.74	0	-146
PENRT	MJ	489	0.0480	0.524	0	0.176	-517
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.756	1.10E-07	1.20E-06	0	4.45E-05	-0.354

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.25E-07	2.98E-14	3.25E-13	0	3.83E-12	5.77E-08
NHWD	kg	1.81	5.43E-07	5.92E-06	0	0.881	-8.85
RWD	kg	0.00399	1.48E-09	1.62E-08	0	2.01E-06	-0.0397
CRU	kg	0	0	0	0	0	0
MFR	kg	6.54E-04	0	0	4.99	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	27.3	0.00354	0.0381	0	0.0131	-38.0
GWP-GHG	kg CO ₂ -eq.	27.4	0.00354	0.0381	0	0.0131	-38.2
PM	Disease incidences	2.26E-06	1.94E-10	7.46E-10	0	1.15E-09	-1.43E-06
IRP	kBq U235 eq.	0.617	1.51E-07	1.65E-06	0	2.33E-04	-8.83
ETP-fw	CTUe	288	0.0113	0.123	0	0.128	-134
HTPc	CTUh	1.36E-08	1.87E-13	2.05E-12	0	1.48E-11	-1.61E-08
HTPnc	CTUh	1.67E-07	4.10E-12	4.42E-11	0	1.56E-09	-3.33E-07
SQP	Pt	71.9	4.13E-05	4.51E-04	0	0.0428	-14.1

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	27.4	0.00353	0.0380	0	0.0131	-38.0
ODP	kg CFC11-eq.	5.60E-11	9.21E-17	1.00E-15	0	3.96E-14	-3.65E-11
AP	kg SO ₂ -eq.	0.112	1.18E-05	1.57E-04	0	7.46E-05	-0.112
EP	kg PO ₄ ³⁻ -eq.	0.00802	2.79E-06	3.95E-05	0	8.47E-06	-0.00811
POCP	kg C ₂ H ₄ -eq.	0.00698	1.15E-06	-6.41E-05	0	5.62E-06	-0.00679
ADPE	kg Sb-eq.	4.91E-05	1.13E-11	1.23E-10	0	6.22E-10	-1.63E-06
ADPF	MJ	303	0.0479	0.523	0	0.169	-396

EPD results for 1m² of:

NC150 Aero-200 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	27.7	0.00360	0.0387	0	0.0134	-38.8
GWP-fossil	kg CO ₂ -eq.	27.4	0.00360	0.0387	0	0.0132	-38.7
GWP-biogenic	kg CO ₂ -eq.	0.258	1.77E-07	1.93E-06	0	1.71E-04	-0.0684
GWP-luluc	kg CO ₂ -eq.	0.00264	4.18E-08	4.56E-07	0	4.17E-05	-0.00354
ODP	kg CFC11-eq.	4.65E-11	7.94E-17	8.66E-16	0	3.42E-14	-3.15E-11
AP	Mole of H+ eq.	0.135	1.73E-05	2.35E-04	0	9.52E-05	-0.136
EP-freshwater	kg P eq.	4.63E-05	6.28E-10	6.85E-09	0	2.70E-08	-1.30E-05
EP-marine	kg N eq.	0.0214	8.46E-06	1.19E-04	0	2.46E-05	-0.0231
EP-terrestrial	Mole of N eq.	0.244	9.26E-05	0.00131	0	2.71E-04	-0.252
POCP	kg NMVOC eq.	0.0639	2.36E-05	2.28E-04	0	7.42E-05	-0.0687
ADP-minerals&metals	kg Sb-eq.	4.94E-05	1.15E-11	1.25E-10	0	6.21E-10	-1.36E-06
ADP-fossil	MJ	317	0.0488	0.532	0	0.179	-524
WDP	m ³ world equiv.	7.28	5.96E-06	6.50E-05	0	0.00147	-2.40

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	272	4.28E-05	4.68E-04	-0.286	0.0291	-178
PERM	MJ	6.85	0	0	0	0	0
PERT	MJ	279	4.28E-05	4.68E-04	-0.286	0.0291	-178
PENRE	MJ	496	0.0488	0.532	8.87	0.179	-377
PENRM	MJ	-3.71	0	0	-8.87	0	-148
PENRT	MJ	492	0.0488	0.532	0	0.179	-525
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.759	1.12E-07	1.22E-06	0	4.52E-05	-0.360

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.26E-07	3.02E-14	3.30E-13	0	3.89E-12	5.86E-08
NHWD	kg	1.75	5.51E-07	6.01E-06	0	0.894	-8.99
RWD	kg	0.00398	1.50E-09	1.64E-08	0	2.05E-06	-0.0403
CRU	kg	0	0	0	0	0	0
MFR	kg	6.64E-04	0	0	5.06	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	27.4	0.00360	0.0387	0	0.0133	-38.6
GWP-GHG	kg CO ₂ -eq.	27.5	0.00360	0.0387	0	0.0133	-38.8
PM	Disease incidences	2.29E-06	1.97E-10	7.57E-10	0	1.17E-09	-1.45E-06
IRP	kBq U235 eq.	0.617	1.53E-07	1.67E-06	0	2.37E-04	-8.97
ETP-fw	CTUe	283	0.0114	0.125	0	0.129	-136
HTPc	CTUh	1.37E-08	1.89E-13	2.08E-12	0	1.50E-11	-1.63E-08
HTPnc	CTUh	1.65E-07	4.16E-12	4.49E-11	0	1.58E-09	-3.38E-07
SQP	Pt	72.1	4.19E-05	4.57E-04	0	0.0434	-14.3

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	27.5	0.00358	0.0386	0	0.0133	-38.5
ODP	kg CFC11-eq.	5.55E-11	9.35E-17	1.02E-15	0	4.02E-14	-3.70E-11
AP	kg SO ₂ -eq.	0.113	1.19E-05	1.59E-04	0	7.57E-05	-0.114
EP	kg PO ₄ ³⁻ -eq.	0.00804	2.83E-06	4.01E-05	0	8.60E-06	-0.00823
POCP	kg C ₂ H ₄ -eq.	0.00698	1.16E-06	-6.51E-05	0	5.70E-06	-0.00689
ADPE	kg Sb-eq.	4.93E-05	1.15E-11	1.25E-10	0	6.32E-10	-1.65E-06
ADPF	MJ	304	0.0487	0.531	0	0.171	-402

EPD results for 1m² of:

NC133 Louvre-60 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	28.2	0.00361	0.0388	0	0.0135	-38.9
GWP-fossil	kg CO ₂ -eq.	27.9	0.00361	0.0388	0	0.0133	-38.9
GWP-biogenic	kg CO ₂ -eq.	0.267	1.78E-07	1.94E-06	0	1.71E-04	-0.0687
GWP-luluc	kg CO ₂ -eq.	0.00271	4.20E-08	4.58E-07	0	4.18E-05	-0.00355
ODP	kg CFC11-eq.	4.85E-11	7.97E-17	8.69E-16	0	3.43E-14	-3.16E-11
AP	Mole of H+ eq.	0.137	1.73E-05	2.36E-04	0	9.55E-05	-0.137
EP-freshwater	kg P eq.	5.06E-05	6.30E-10	6.87E-09	0	2.71E-08	-1.31E-05
EP-marine	kg N eq.	0.0217	8.48E-06	1.19E-04	0	2.47E-05	-0.0232
EP-terrestrial	Mole of N eq.	0.249	9.29E-05	0.00131	0	2.71E-04	-0.252
POCP	kg NMVOC eq.	0.0652	2.37E-05	2.28E-04	0	7.45E-05	-0.0689
ADP-minerals&metals	kg Sb-eq.	5.03E-05	1.15E-11	1.26E-10	0	6.23E-10	-1.37E-06
ADP-fossil	MJ	325	0.0489	0.534	0	0.179	-526
WDP	m ³ world equiv.	7.38	5.98E-06	6.53E-05	0	0.00148	-2.41

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	280	4.30E-05	4.69E-04	-0.287	0.0292	-178
PERM	MJ	6.88	0	0	0	0	0
PERT	MJ	287	4.30E-05	4.69E-04	-0.287	0.0292	-178
PENRE	MJ	504	0.0489	0.534	8.90	0.179	-378
PENRM	MJ	-3.72	0	0	-8.90	0	-149
PENRT	MJ	500	0.0489	0.534	0	0.179	-527
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.775	1.12E-07	1.22E-06	0	4.53E-05	-0.361

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.28E-07	3.03E-14	3.31E-13	0	3.90E-12	5.87E-08
NHWD	kg	1.89	5.53E-07	6.03E-06	0	0.897	-9.02
RWD	kg	0.00410	1.51E-09	1.65E-08	0	2.05E-06	-0.0405
CRU	kg	0	0	0	0	0	0
MFR	kg	6.66E-04	0	0	5.08	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	27.9	0.00361	0.0388	0	0.0133	-38.7
GWP-GHG	kg CO ₂ -eq.	28.0	0.00361	0.0388	0	0.0134	-38.9
PM	Disease incidences	2.31E-06	1.97E-10	7.60E-10	0	1.17E-09	-1.45E-06
IRP	kBq U235 eq.	0.634	1.54E-07	1.68E-06	0	2.37E-04	-9.00
ETP-fw	CTUe	298	0.0115	0.125	0	0.130	-136
HTPc	CTUh	1.39E-08	1.90E-13	2.09E-12	0	1.51E-11	-1.64E-08
HTPnc	CTUh	1.72E-07	4.17E-12	4.50E-11	0	1.59E-09	-3.40E-07
SQP	Pt	73.7	4.21E-05	4.59E-04	0	0.0436	-14.3

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	28.0	0.00360	0.0387	0	0.0134	-38.7
ODP	kg CFC11-eq.	5.78E-11	9.38E-17	1.02E-15	0	4.04E-14	-3.72E-11
AP	kg SO ₂ -eq.	0.114	1.20E-05	1.60E-04	0	7.60E-05	-0.115
EP	kg PO ₄ ³⁻ -eq.	0.00823	2.84E-06	4.02E-05	0	8.62E-06	-0.00826
POCP	kg C ₂ H ₄ -eq.	0.00717	1.17E-06	-6.53E-05	0	5.72E-06	-0.00691
ADPE	kg Sb-eq.	5.03E-05	1.15E-11	1.26E-10	0	6.34E-10	-1.66E-06
ADPF	MJ	311	0.0488	0.533	0	0.172	-403

EPD results for 1m² of:

NC148 Mono-200 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	27.9	0.00362	0.0389	0	0.0135	-39.0
GWP-fossil	kg CO ₂ -eq.	27.6	0.00362	0.0389	0	0.0133	-39.0
GWP-biogenic	kg CO ₂ -eq.	0.261	1.78E-07	1.95E-06	0	1.72E-04	-0.0688
GWP-luluc	kg CO ₂ -eq.	0.00266	4.21E-08	4.59E-07	0	4.19E-05	-0.00356
ODP	kg CFC11-eq.	4.70E-11	7.99E-17	8.71E-16	0	3.44E-14	-3.16E-11
AP	Mole of H+ eq.	0.136	1.74E-05	2.36E-04	0	9.57E-05	-0.137
EP-freshwater	kg P eq.	4.70E-05	6.31E-10	6.89E-09	0	2.72E-08	-1.31E-05
EP-marine	kg N eq.	0.0215	8.50E-06	1.19E-04	0	2.47E-05	-0.0232
EP-terrestrial	Mole of N eq.	0.246	9.31E-05	0.00132	0	2.72E-04	-0.253
POCP	kg NMVOC eq.	0.0644	2.38E-05	2.29E-04	0	7.46E-05	-0.0691
ADP-minerals&metals	kg Sb-eq.	4.98E-05	1.15E-11	1.26E-10	0	6.24E-10	-1.37E-06
ADP-fossil	MJ	320	0.0490	0.535	0	0.180	-527
WDP	m ³ world equiv.	7.33	6.00E-06	6.54E-05	0	0.00148	-2.42

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	275	4.31E-05	4.70E-04	-0.288	0.0293	-179
PERM	MJ	6.89	0	0	0	0	0
PERT	MJ	281	4.31E-05	4.70E-04	-0.288	0.0293	-179
PENRE	MJ	500	0.0490	0.535	8.92	0.180	-379
PENRM	MJ	-3.73	0	0	-8.92	0	-149
PENRT	MJ	496	0.0490	0.535	0	0.180	-528
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.765	1.12E-07	1.23E-06	0	4.54E-05	-0.362

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.27E-07	3.04E-14	3.32E-13	0	3.91E-12	5.89E-08
NHWD	kg	1.77	5.54E-07	6.04E-06	0	0.899	-9.04
RWD	kg	0.00401	1.51E-09	1.65E-08	0	2.06E-06	-0.0406
CRU	kg	0	0	0	0	0	0
MFR	kg	6.68E-04	0	0	5.09	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	27.6	0.00362	0.0389	0	0.0133	-38.8
GWP-GHG	kg CO ₂ -eq.	27.7	0.00362	0.0389	0	0.0134	-39.0
PM	Disease incidences	2.30E-06	1.98E-10	7.62E-10	0	1.18E-09	-1.46E-06
IRP	kBq U235 eq.	0.622	1.54E-07	1.68E-06	0	2.38E-04	-9.02
ETP-fw	CTUe	286	0.0115	0.125	0	0.130	-136
HTPc	CTUh	1.38E-08	1.90E-13	2.09E-12	0	1.51E-11	-1.64E-08
HTPnc	CTUh	1.67E-07	4.19E-12	4.51E-11	0	1.59E-09	-3.40E-07
SQP	Pt	72.6	4.22E-05	4.60E-04	0	0.0437	-14.4

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	27.7	0.00360	0.0388	0	0.0134	-38.8
ODP	kg CFC11-eq.	5.60E-11	9.40E-17	1.03E-15	0	4.05E-14	-3.73E-11
AP	kg SO ₂ -eq.	0.113	1.20E-05	1.60E-04	0	7.62E-05	-0.115
EP	kg PO ₄ ³⁻ -eq.	0.00810	2.85E-06	4.03E-05	0	8.65E-06	-0.00828
POCP	kg C ₂ H ₄ -eq.	0.00704	1.17E-06	-6.54E-05	0	5.74E-06	-0.00693
ADPE	kg Sb-eq.	4.97E-05	1.15E-11	1.26E-10	0	6.35E-10	-1.66E-06
ADPF	MJ	306	0.0489	0.534	0	0.172	-404

EPD results for 1m² of:

NC152 Louvre-150 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	28.5	0.00370	0.0398	0	0.0138	-39.9
GWP-fossil	kg CO ₂ -eq.	28.2	0.00370	0.0398	0	0.0136	-39.8
GWP-biogenic	kg CO ₂ -eq.	0.266	1.82E-07	1.99E-06	0	1.75E-04	-0.0703
GWP-luluc	kg CO ₂ -eq.	0.00271	4.30E-08	4.69E-07	0	4.28E-05	-0.00364
ODP	kg CFC11-eq.	4.79E-11	8.16E-17	8.90E-16	0	3.51E-14	-3.23E-11
AP	Mole of H+ eq.	0.139	1.77E-05	2.42E-04	0	9.78E-05	-0.140
EP-freshwater	kg P eq.	4.77E-05	6.45E-10	7.04E-09	0	2.78E-08	-1.34E-05
EP-marine	kg N eq.	0.0219	8.69E-06	1.22E-04	0	2.53E-05	-0.0237
EP-terrestrial	Mole of N eq.	0.251	9.52E-05	0.00135	0	2.78E-04	-0.259
POCP	kg NMVOC eq.	0.0657	2.43E-05	2.34E-04	0	7.63E-05	-0.0706
ADP-minerals&metals	kg Sb-eq.	5.08E-05	1.18E-11	1.29E-10	0	6.38E-10	-1.40E-06
ADP-fossil	MJ	326	0.0501	0.547	0	0.184	-538
WDP	m ³ world equiv.	7.48	6.13E-06	6.68E-05	0	0.00151	-2.47

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	280	4.40E-05	4.80E-04	-0.294	0.0300	-183
PERM	MJ	7.04	0	0	0	0	0
PERT	MJ	287	4.40E-05	4.80E-04	-0.294	0.0300	-183
PENRE	MJ	510	0.0501	0.547	9.12	0.184	-387
PENRM	MJ	-3.81	0	0	-9.12	0	-152
PENRT	MJ	506	0.0501	0.547	0	0.184	-539
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.780	1.15E-07	1.25E-06	0	4.64E-05	-0.370

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.29E-07	3.11E-14	3.39E-13	0	4.00E-12	6.02E-08
NHWD	kg	1.80	5.66E-07	6.18E-06	0	0.919	-9.24
RWD	kg	0.00409	1.55E-09	1.69E-08	0	2.10E-06	-0.0414
CRU	kg	0	0	0	0	0	0
MFR	kg	6.82E-04	0	0	5.20	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	28.2	0.00370	0.0398	0	0.0136	-39.7
GWP-GHG	kg CO ₂ -eq.	28.3	0.00370	0.0398	0	0.0137	-39.9
PM	Disease incidences	2.35E-06	2.02E-10	7.78E-10	0	1.20E-09	-1.49E-06
IRP	kBq U235 eq.	0.634	1.58E-07	1.72E-06	0	2.43E-04	-9.21
ETP-fw	CTUe	291	0.0117	0.128	0	0.133	-139
HTPc	CTUh	1.41E-08	1.95E-13	2.14E-12	0	1.54E-11	-1.68E-08
HTPnc	CTUh	1.70E-07	4.28E-12	4.61E-11	0	1.63E-09	-3.48E-07
SQP	Pt	74.1	4.31E-05	4.70E-04	0	0.0446	-14.7

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	28.3	0.00368	0.0396	0	0.0137	-39.6
ODP	kg CFC11-eq.	5.71E-11	9.61E-17	1.05E-15	0	4.13E-14	-3.81E-11
AP	kg SO ₂ -eq.	0.116	1.23E-05	1.64E-04	0	7.78E-05	-0.117
EP	kg PO ₄ ³⁻ -eq.	0.00826	2.91E-06	4.12E-05	0	8.83E-06	-0.00846
POCP	kg C ₂ H ₄ -eq.	0.00718	1.20E-06	-6.69E-05	0	5.86E-06	-0.00708
ADPE	kg Sb-eq.	5.07E-05	1.18E-11	1.29E-10	0	6.49E-10	-1.70E-06
ADPF	MJ	313	0.0500	0.546	0	0.176	-413

EPD results for 1m² of:

NC156 E200 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	28.8	0.00374	0.0403	0	0.0140	-40.4
GWP-fossil	kg CO ₂ -eq.	28.5	0.00374	0.0403	0	0.0138	-40.3
GWP-biogenic	kg CO ₂ -eq.	0.269	1.84E-07	2.01E-06	0	1.78E-04	-0.0712
GWP-luluc	kg CO ₂ -eq.	0.00275	4.35E-08	4.75E-07	0	4.34E-05	-0.00368
ODP	kg CFC11-eq.	4.84E-11	8.26E-17	9.01E-16	0	3.55E-14	-3.27E-11
AP	Mole of H+ eq.	0.140	1.80E-05	2.45E-04	0	9.90E-05	-0.142
EP-freshwater	kg P eq.	4.82E-05	6.53E-10	7.12E-09	0	2.81E-08	-1.35E-05
EP-marine	kg N eq.	0.0222	8.80E-06	1.24E-04	0	2.56E-05	-0.0240
EP-terrestrial	Mole of N eq.	0.254	9.63E-05	0.00136	0	2.81E-04	-0.262
POCP	kg NMVOC eq.	0.0665	2.46E-05	2.37E-04	0	7.72E-05	-0.0714
ADP-minerals&metals	kg Sb-eq.	5.14E-05	1.19E-11	1.30E-10	0	6.46E-10	-1.42E-06
ADP-fossil	MJ	330	0.0507	0.553	0	0.186	-545
WDP	m ³ world equiv.	7.57	6.20E-06	6.77E-05	0	0.00153	-2.50

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	283	4.46E-05	4.86E-04	-0.298	0.0303	-185
PERM	MJ	7.13	0	0	0	0	0
PERT	MJ	290	4.46E-05	4.86E-04	-0.298	0.0303	-185
PENRE	MJ	516	0.0507	0.553	9.23	0.186	-392
PENRM	MJ	-3.86	0	0	-9.23	0	-154
PENRT	MJ	512	0.0507	0.553	0	0.186	-546
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.790	1.16E-07	1.27E-06	0	4.70E-05	-0.374

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.31E-07	3.15E-14	3.43E-13	0	4.04E-12	6.09E-08
NHWD	kg	1.82	5.73E-07	6.25E-06	0	0.930	-9.35
RWD	kg	0.00414	1.57E-09	1.71E-08	0	2.13E-06	-0.0420
CRU	kg	0	0	0	0	0	0
MFR	kg	6.91E-04	0	0	5.27	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	28.5	0.00374	0.0403	0	0.0138	-40.2
GWP-GHG	kg CO ₂ -eq.	28.6	0.00374	0.0403	0	0.0138	-40.3
PM	Disease incidences	2.38E-06	2.04E-10	7.88E-10	0	1.22E-09	-1.51E-06
IRP	kBq U235 eq.	0.641	1.60E-07	1.74E-06	0	2.46E-04	-9.33
ETP-fw	CTUe	295	0.0119	0.130	0	0.135	-141
HTPc	CTUh	1.43E-08	1.97E-13	2.16E-12	0	1.56E-11	-1.70E-08
HTPnc	CTUh	1.72E-07	4.33E-12	4.67E-11	0	1.65E-09	-3.52E-07
SQP	Pt	75.0	4.36E-05	4.76E-04	0	0.0452	-14.9

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	28.6	0.00373	0.0401	0	0.0139	-40.1
ODP	kg CFC11-eq.	5.78E-11	9.72E-17	1.06E-15	0	4.18E-14	-3.85E-11
AP	kg SO ₂ -eq.	0.117	1.24E-05	1.66E-04	0	7.88E-05	-0.119
EP	kg PO ₄ ³⁻ -eq.	0.00836	2.95E-06	4.17E-05	0	8.94E-06	-0.00857
POCP	kg C ₂ H ₄ -eq.	0.00726	1.21E-06	-6.77E-05	0	5.93E-06	-0.00717
ADPE	kg Sb-eq.	5.13E-05	1.19E-11	1.30E-10	0	6.57E-10	-1.72E-06
ADPF	MJ	316	0.0506	0.552	0	0.178	-418

EPD results for 1m² of:

NC157 E70/130 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	29.2	0.00380	0.0409	0	0.0142	-41.0
GWP-fossil	kg CO ₂ -eq.	28.9	0.00380	0.0409	0	0.0140	-40.9
GWP-biogenic	kg CO ₂ -eq.	0.272	1.87E-07	2.04E-06	0	1.80E-04	-0.0723
GWP-luluc	kg CO ₂ -eq.	0.00278	4.42E-08	4.82E-07	0	4.40E-05	-0.00374
ODP	kg CFC11-eq.	4.89E-11	8.39E-17	9.15E-16	0	3.61E-14	-3.32E-11
AP	Mole of H+ eq.	0.142	1.82E-05	2.48E-04	0	1.01E-04	-0.144
EP-freshwater	kg P eq.	4.84E-05	6.63E-10	7.23E-09	0	2.85E-08	-1.38E-05
EP-marine	kg N eq.	0.0225	8.93E-06	1.25E-04	0	2.60E-05	-0.0244
EP-terrestrial	Mole of N eq.	0.258	9.78E-05	0.00138	0	2.86E-04	-0.266
POCP	kg NMVOC eq.	0.0674	2.49E-05	2.41E-04	0	7.84E-05	-0.0725
ADP-minerals&metals	kg Sb-eq.	5.21E-05	1.21E-11	1.32E-10	0	6.56E-10	-1.44E-06
ADP-fossil	MJ	334	0.0515	0.562	0	0.189	-553
WDP	m ³ world equiv.	7.68	6.30E-06	6.87E-05	0	0.00156	-2.54

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	287	4.53E-05	4.94E-04	-0.302	0.0308	-188
PERM	MJ	7.24	0	0	0	0	0
PERT	MJ	294	4.53E-05	4.94E-04	-0.302	0.0308	-188
PENRE	MJ	523	0.0515	0.562	9.37	0.189	-398
PENRM	MJ	-3.92	0	0	-9.37	0	-156
PENRT	MJ	519	0.0515	0.562	0	0.189	-554
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.800	1.18E-07	1.29E-06	0	4.77E-05	-0.380

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.33E-07	3.19E-14	3.48E-13	0	4.11E-12	6.18E-08
NHWD	kg	1.83	5.82E-07	6.35E-06	0	0.944	-9.49
RWD	kg	0.00419	1.59E-09	1.73E-08	0	2.16E-06	-0.0426
CRU	kg	0	0	0	0	0	0
MFR	kg	7.01E-04	0	0	5.35	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	28.9	0.00380	0.0409	0	0.0140	-40.8
GWP-GHG	kg CO ₂ -eq.	29.0	0.00380	0.0409	0	0.0141	-41.0
PM	Disease incidences	2.42E-06	2.08E-10	8.00E-10	0	1.24E-09	-1.53E-06
IRP	kBq U235 eq.	0.649	1.62E-07	1.77E-06	0	2.50E-04	-9.47
ETP-fw	CTUe	297	0.0121	0.132	0	0.137	-143
HTPc	CTUh	1.44E-08	2.00E-13	2.20E-12	0	1.59E-11	-1.72E-08
HTPnc	CTUh	1.74E-07	4.39E-12	4.74E-11	0	1.67E-09	-3.58E-07
SQP	Pt	75.9	4.43E-05	4.83E-04	0	0.0459	-15.1

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	29.0	0.00379	0.0408	0	0.0141	-40.7
ODP	kg CFC11-eq.	5.84E-11	9.87E-17	1.08E-15	0	4.25E-14	-3.91E-11
AP	kg SO ₂ -eq.	0.119	1.26E-05	1.68E-04	0	8.00E-05	-0.121
EP	kg PO ₄ ³⁻ -eq.	0.00847	2.99E-06	4.23E-05	0	9.08E-06	-0.00870
POCP	kg C ₂ H ₄ -eq.	0.00735	1.23E-06	-6.87E-05	0	6.02E-06	-0.00728
ADPE	kg Sb-eq.	5.20E-05	1.21E-11	1.32E-10	0	6.67E-10	-1.75E-06
ADPF	MJ	320	0.0514	0.561	0	0.181	-424

EPD results for 1m² of:

NC154 E100 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	29.3	0.00380	0.0409	0	0.0142	-41.1
GWP-fossil	kg CO ₂ -eq.	29.0	0.00380	0.0409	0	0.0140	-41.0
GWP-biogenic	kg CO ₂ -eq.	0.273	1.87E-07	2.05E-06	0	1.81E-04	-0.0724
GWP-luluc	kg CO ₂ -eq.	0.00279	4.43E-08	4.83E-07	0	4.41E-05	-0.00375
ODP	kg CFC11-eq.	4.90E-11	8.40E-17	9.17E-16	0	3.61E-14	-3.33E-11
AP	Mole of H+ eq.	0.143	1.83E-05	2.49E-04	0	1.01E-04	-0.144
EP-freshwater	kg P eq.	4.86E-05	6.64E-10	7.25E-09	0	2.86E-08	-1.38E-05
EP-marine	kg N eq.	0.0226	8.94E-06	1.26E-04	0	2.60E-05	-0.0244
EP-terrestrial	Mole of N eq.	0.258	9.80E-05	0.00138	0	2.86E-04	-0.266
POCP	kg NMVOC eq.	0.0675	2.50E-05	2.41E-04	0	7.85E-05	-0.0727
ADP-minerals&metals	kg Sb-eq.	5.22E-05	1.21E-11	1.32E-10	0	6.57E-10	-1.44E-06
ADP-fossil	MJ	335	0.0516	0.563	0	0.189	-554
WDP	m ³ world equiv.	7.69	6.31E-06	6.88E-05	0	0.00156	-2.54

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	287	4.53E-05	4.95E-04	-0.303	0.0308	-188
PERM	MJ	7.25	0	0	0	0	0
PERT	MJ	295	4.53E-05	4.95E-04	-0.303	0.0308	-188
PENRE	MJ	524	0.0516	0.563	9.38	0.189	-399
PENRM	MJ	-3.92	0	0	-9.38	0	-157
PENRT	MJ	520	0.0516	0.563	0	0.189	-555
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.801	1.18E-07	1.29E-06	0	4.78E-05	-0.381

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.33E-07	3.20E-14	3.49E-13	0	4.11E-12	6.19E-08
NHWD	kg	1.83	5.83E-07	6.36E-06	0	0.946	-9.51
RWD	kg	0.00419	1.59E-09	1.74E-08	0	2.16E-06	-0.0427
CRU	kg	0	0	0	0	0	0
MFR	kg	7.02E-04	0	0	5.36	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	29.0	0.00380	0.0409	0	0.0140	-40.9
GWP-GHG	kg CO ₂ -eq.	29.1	0.00380	0.0409	0	0.0141	-41.0
PM	Disease incidences	2.42E-06	2.08E-10	8.01E-10	0	1.24E-09	-1.53E-06
IRP	kBq U235 eq.	0.651	1.62E-07	1.77E-06	0	2.50E-04	-9.48
ETP-fw	CTUe	298	0.0121	0.132	0	0.137	-144
HTPc	CTUh	1.45E-08	2.00E-13	2.20E-12	0	1.59E-11	-1.73E-08
HTPnc	CTUh	1.74E-07	4.40E-12	4.75E-11	0	1.68E-09	-3.58E-07
SQP	Pt	76.1	4.44E-05	4.84E-04	0	0.0459	-15.1

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	29.1	0.00379	0.0408	0	0.0141	-40.8
ODP	kg CFC11-eq.	5.85E-11	9.89E-17	1.08E-15	0	4.26E-14	-3.92E-11
AP	kg SO ₂ -eq.	0.119	1.26E-05	1.68E-04	0	8.01E-05	-0.121
EP	kg PO ₄ ³⁻ -eq.	0.00849	3.00E-06	4.24E-05	0	9.09E-06	-0.00871
POCP	kg C ₂ H ₄ -eq.	0.00737	1.23E-06	-6.88E-05	0	6.03E-06	-0.00729
ADPE	kg Sb-eq.	5.21E-05	1.21E-11	1.32E-10	0	6.68E-10	-1.75E-06
ADPF	MJ	321	0.0515	0.562	0	0.181	-425

EPD results for 1m² of:

NC158 Mono-100 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	30.4	0.00393	0.0423	0	0.0147	-42.4
GWP-fossil	kg CO ₂ -eq.	30.1	0.00393	0.0423	0	0.0145	-42.4
GWP-biogenic	kg CO ₂ -eq.	0.284	1.94E-07	2.11E-06	0	1.87E-04	-0.0748
GWP-luluc	kg CO ₂ -eq.	0.00290	4.57E-08	4.99E-07	0	4.56E-05	-0.00387
ODP	kg CFC11-eq.	5.13E-11	8.68E-17	9.47E-16	0	3.73E-14	-3.44E-11
AP	Mole of H+ eq.	0.148	1.89E-05	2.57E-04	0	1.04E-04	-0.149
EP-freshwater	kg P eq.	5.17E-05	6.86E-10	7.49E-09	0	2.95E-08	-1.42E-05
EP-marine	kg N eq.	0.0234	9.24E-06	1.30E-04	0	2.69E-05	-0.0253
EP-terrestrial	Mole of N eq.	0.268	1.01E-04	0.00143	0	2.96E-04	-0.275
POCP	kg NMVOC eq.	0.0702	2.58E-05	2.49E-04	0	8.11E-05	-0.0751
ADP-minerals&metals	kg Sb-eq.	5.42E-05	1.25E-11	1.37E-10	0	6.78E-10	-1.49E-06
ADP-fossil	MJ	349	0.0533	0.582	0	0.195	-573
WDP	m ³ world equiv.	7.98	6.52E-06	7.11E-05	0	0.00161	-2.63

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	299	4.68E-05	5.11E-04	-0.313	0.0319	-194
PERM	MJ	7.49	0	0	0	0	0
PERT	MJ	307	4.68E-05	5.11E-04	-0.313	0.0319	-194
PENRE	MJ	544	0.0533	0.582	9.70	0.196	-412
PENRM	MJ	-4.05	0	0	-9.70	0	-162
PENRT	MJ	540	0.0533	0.582	0	0.196	-574
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.833	1.22E-07	1.33E-06	0	4.94E-05	-0.393

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.38E-07	3.31E-14	3.61E-13	0	4.25E-12	6.40E-08
NHWD	kg	1.95	6.02E-07	6.57E-06	0	0.977	-9.83
RWD	kg	0.00438	1.64E-09	1.79E-08	0	2.24E-06	-0.0441
CRU	kg	0	0	0	0	0	0
MFR	kg	7.26E-04	0	0	5.53	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	30.1	0.00393	0.0423	0	0.0145	-42.2
GWP-GHG	kg CO ₂ -eq.	30.2	0.00393	0.0423	0	0.0145	-42.4
PM	Disease incidences	2.51E-06	2.15E-10	8.28E-10	0	1.28E-09	-1.59E-06
IRP	kBq U235 eq.	0.678	1.68E-07	1.83E-06	0	2.59E-04	-9.80
ETP-fw	CTUe	313	0.0125	0.136	0	0.142	-148
HTPc	CTUh	1.50E-08	2.07E-13	2.27E-12	0	1.64E-11	-1.78E-08
HTPnc	CTUh	1.82E-07	4.55E-12	4.90E-11	0	1.73E-09	-3.70E-07
SQP	Pt	79.1	4.58E-05	5.00E-04	0	0.0475	-15.6

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	30.2	0.00392	0.0422	0	0.0146	-42.1
ODP	kg CFC11-eq.	6.12E-11	1.02E-16	1.12E-15	0	4.40E-14	-4.05E-11
AP	kg SO ₂ -eq.	0.123	1.31E-05	1.74E-04	0	8.28E-05	-0.125
EP	kg PO ₄ ³⁻ -eq.	0.00883	3.10E-06	4.38E-05	0	9.40E-06	-0.00900
POCP	kg C ₂ H ₄ -eq.	0.00767	1.27E-06	-7.11E-05	0	6.23E-06	-0.00753
ADPE	kg Sb-eq.	5.41E-05	1.25E-11	1.37E-10	0	6.90E-10	-1.81E-06
ADPF	MJ	334	0.0532	0.580	0	0.187	-439

EPD results for 1m² of:

NC159 N200 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	30.4	0.00393	0.0423	0	0.0147	-42.4
GWP-fossil	kg CO ₂ -eq.	30.1	0.00393	0.0423	0	0.0145	-42.4
GWP-biogenic	kg CO ₂ -eq.	0.284	1.94E-07	2.11E-06	0	1.87E-04	-0.0748
GWP-luluc	kg CO ₂ -eq.	0.00290	4.57E-08	4.99E-07	0	4.56E-05	-0.00387
ODP	kg CFC11-eq.	5.13E-11	8.68E-17	9.47E-16	0	3.73E-14	-3.44E-11
AP	Mole of H+ eq.	0.148	1.89E-05	2.57E-04	0	1.04E-04	-0.149
EP-freshwater	kg P eq.	5.17E-05	6.86E-10	7.49E-09	0	2.95E-08	-1.42E-05
EP-marine	kg N eq.	0.0234	9.24E-06	1.30E-04	0	2.69E-05	-0.0253
EP-terrestrial	Mole of N eq.	0.268	1.01E-04	0.00143	0	2.96E-04	-0.275
POCP	kg NMVOC eq.	0.0702	2.58E-05	2.49E-04	0	8.11E-05	-0.0751
ADP-minerals&metals	kg Sb-eq.	5.42E-05	1.25E-11	1.37E-10	0	6.78E-10	-1.49E-06
ADP-fossil	MJ	349	0.0533	0.582	0	0.195	-573
WDP	m ³ world equiv.	7.98	6.52E-06	7.11E-05	0	0.00161	-2.63

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	299	4.68E-05	5.11E-04	-0.313	0.0319	-194
PERM	MJ	7.49	0	0	0	0	0
PERT	MJ	307	4.68E-05	5.11E-04	-0.313	0.0319	-194
PENRE	MJ	544	0.0533	0.582	9.70	0.196	-412
PENRM	MJ	-4.05	0	0	-9.70	0	-162
PENRT	MJ	540	0.0533	0.582	0	0.196	-574
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.833	1.22E-07	1.33E-06	0	4.94E-05	-0.393

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.38E-07	3.31E-14	3.61E-13	0	4.25E-12	6.40E-08
NHWD	kg	1.95	6.02E-07	6.57E-06	0	0.977	-9.83
RWD	kg	0.00438	1.64E-09	1.79E-08	0	2.24E-06	-0.0441
CRU	kg	0	0	0	0	0	0
MFR	kg	7.26E-04	0	0	5.53	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	30.1	0.00393	0.0423	0	0.0145	-42.2
GWP-GHG	kg CO ₂ -eq.	30.2	0.00393	0.0423	0	0.0145	-42.4
PM	Disease incidences	2.51E-06	2.15E-10	8.28E-10	0	1.28E-09	-1.59E-06
IRP	kBq U235 eq.	0.678	1.68E-07	1.83E-06	0	2.59E-04	-9.80
ETP-fw	CTUe	313	0.0125	0.136	0	0.142	-148
HTPc	CTUh	1.50E-08	2.07E-13	2.27E-12	0	1.64E-11	-1.78E-08
HTPnc	CTUh	1.82E-07	4.55E-12	4.90E-11	0	1.73E-09	-3.70E-07
SQP	Pt	79.1	4.58E-05	5.00E-04	0	0.0475	-15.6

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	30.2	0.00392	0.0422	0	0.0146	-42.1
ODP	kg CFC11-eq.	6.12E-11	1.02E-16	1.12E-15	0	4.40E-14	-4.05E-11
AP	kg SO ₂ -eq.	0.123	1.31E-05	1.74E-04	0	8.28E-05	-0.125
EP	kg PO ₄ ³⁻ -eq.	0.00883	3.10E-06	4.38E-05	0	9.40E-06	-0.00900
POCP	kg C ₂ H ₄ -eq.	0.00767	1.27E-06	-7.11E-05	0	6.23E-06	-0.00753
ADPE	kg Sb-eq.	5.41E-05	1.25E-11	1.37E-10	0	6.90E-10	-1.81E-06
ADPF	MJ	334	0.0532	0.580	0	0.187	-439

EPD results for 1m² of:

NC155 ZZ200 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	31.6	0.00411	0.0442	0	0.0154	-44.4
GWP-fossil	kg CO ₂ -eq.	31.3	0.00411	0.0442	0	0.0151	-44.3
GWP-biogenic	kg CO ₂ -eq.	0.295	2.03E-07	2.21E-06	0	1.95E-04	-0.0782
GWP-luluc	kg CO ₂ -eq.	0.00301	4.78E-08	5.22E-07	0	4.76E-05	-0.00405
ODP	kg CFC11-eq.	5.31E-11	9.07E-17	9.90E-16	0	3.90E-14	-3.59E-11
AP	Mole of H+ eq.	0.154	1.97E-05	2.69E-04	0	1.09E-04	-0.156
EP-freshwater	kg P eq.	5.28E-05	7.17E-10	7.83E-09	0	3.09E-08	-1.49E-05
EP-marine	kg N eq.	0.0244	9.66E-06	1.36E-04	0	2.81E-05	-0.0264
EP-terrestrial	Mole of N eq.	0.279	1.06E-04	0.00150	0	3.09E-04	-0.288
POCP	kg NMVOC eq.	0.0730	2.70E-05	2.60E-04	0	8.48E-05	-0.0785
ADP-minerals&metals	kg Sb-eq.	5.64E-05	1.31E-11	1.43E-10	0	7.09E-10	-1.55E-06
ADP-fossil	MJ	362	0.0557	0.608	0	0.204	-599
WDP	m ³ world equiv.	8.31	6.81E-06	7.43E-05	0	0.00168	-2.75

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	311	4.90E-05	5.34E-04	-0.327	0.0333	-203
PERM	MJ	7.82	0	0	0	0	0
PERT	MJ	319	4.90E-05	5.34E-04	-0.327	0.0333	-203
PENRE	MJ	567	0.0557	0.608	10.1	0.204	-430
PENRM	MJ	-4.24	0	0	-10.1	0	-169
PENRT	MJ	563	0.0557	0.608	0	0.204	-600
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.866	1.28E-07	1.39E-06	0	5.16E-05	-0.411

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.44E-07	3.46E-14	3.77E-13	0	4.44E-12	6.69E-08
NHWD	kg	1.99	6.29E-07	6.87E-06	0	1.02	-10.3
RWD	kg	0.00454	1.72E-09	1.88E-08	0	2.34E-06	-0.0461
CRU	kg	0	0	0	0	0	0
MFR	kg	7.59E-04	0	0	5.78	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	31.3	0.00411	0.0442	0	0.0152	-44.1
GWP-GHG	kg CO ₂ -eq.	31.4	0.00411	0.0442	0	0.0152	-44.3
PM	Disease incidences	2.62E-06	2.25E-10	8.66E-10	0	1.34E-09	-1.66E-06
IRP	kBq U235 eq.	0.704	1.75E-07	1.91E-06	0	2.70E-04	-10.2
ETP-fw	CTUe	323	0.0131	0.143	0	0.148	-155
HTPc	CTUh	1.56E-08	2.16E-13	2.38E-12	0	1.71E-11	-1.86E-08
HTPnc	CTUh	1.88E-07	4.75E-12	5.13E-11	0	1.81E-09	-3.87E-07
SQP	Pt	82.3	4.79E-05	5.23E-04	0	0.0496	-16.3

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	31.4	0.00410	0.0441	0	0.0152	-44.0
ODP	kg CFC11-eq.	6.33E-11	1.07E-16	1.17E-15	0	4.60E-14	-4.23E-11
AP	kg SO ₂ -eq.	0.129	1.37E-05	1.82E-04	0	8.65E-05	-0.130
EP	kg PO ₄ ³⁻ -eq.	0.00918	3.24E-06	4.58E-05	0	9.82E-06	-0.00941
POCP	kg C ₂ H ₄ -eq.	0.00797	1.33E-06	-7.43E-05	0	6.52E-06	-0.00787
ADPE	kg Sb-eq.	5.64E-05	1.31E-11	1.43E-10	0	7.22E-10	-1.89E-06
ADPF	MJ	347	0.0556	0.607	0	0.196	-459

EPD results for 1m² of:

NC153 SS200 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	36.5	0.00481	0.0518	0	0.0180	-52.0
GWP-fossil	kg CO ₂ -eq.	36.2	0.00481	0.0518	0	0.0177	-51.9
GWP-biogenic	kg CO ₂ -eq.	0.336	2.37E-07	2.59E-06	0	2.29E-04	-0.0916
GWP-luluc	kg CO ₂ -eq.	0.00344	5.60E-08	6.11E-07	0	5.58E-05	-0.00474
ODP	kg CFC11-eq.	5.98E-11	1.06E-16	1.16E-15	0	4.57E-14	-4.21E-11
AP	Mole of H+ eq.	0.179	2.31E-05	3.15E-04	0	1.27E-04	-0.182
EP-freshwater	kg P eq.	5.62E-05	8.40E-10	9.17E-09	0	3.62E-08	-1.74E-05
EP-marine	kg N eq.	0.0281	1.13E-05	1.59E-04	0	3.29E-05	-0.0309
EP-terrestrial	Mole of N eq.	0.322	1.24E-04	0.00175	0	3.62E-04	-0.337
POCP	kg NMVOC eq.	0.0842	3.16E-05	3.05E-04	0	9.93E-05	-0.0919
ADP-minerals&metals	kg Sb-eq.	6.50E-05	1.54E-11	1.68E-10	0	8.31E-10	-1.82E-06
ADP-fossil	MJ	416	0.0652	0.712	0	0.239	-701
WDP	m ³ world equiv.	9.63	7.98E-06	8.70E-05	0	0.00197	-3.22

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	355	5.73E-05	6.26E-04	-0.383	0.0390	-238
PERM	MJ	9.16	0	0	0	0	0
PERT	MJ	364	5.73E-05	6.26E-04	-0.383	0.0390	-238
PENRE	MJ	656	0.0652	0.712	11.9	0.239	-504
PENRM	MJ	-4.96	0	0	-11.9	0	-198
PENRT	MJ	651	0.0652	0.712	0	0.239	-702
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.996	1.50E-07	1.63E-06	0	6.04E-05	-0.482

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.66E-07	4.05E-14	4.42E-13	0	5.20E-12	7.84E-08
NHWD	kg	2.15	7.37E-07	8.04E-06	0	1.20	-12.0
RWD	kg	0.00517	2.01E-09	2.20E-08	0	2.74E-06	-0.0540
CRU	kg	0	0	0	0	0	0
MFR	kg	8.88E-04	0	0	6.77	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	36.1	0.00481	0.0518	0	0.0178	-51.7
GWP-GHG	kg CO ₂ -eq.	36.2	0.00481	0.0518	0	0.0178	-51.9
PM	Disease incidences	3.05E-06	2.63E-10	1.01E-09	0	1.57E-09	-1.94E-06
IRP	kBq U235 eq.	0.804	2.05E-07	2.24E-06	0	3.17E-04	-12.0
ETP-fw	CTUe	359	0.0153	0.167	0	0.173	-182
HTPc	CTUh	1.81E-08	2.53E-13	2.78E-12	0	2.01E-11	-2.18E-08
HTPnc	CTUh	2.12E-07	5.57E-12	6.00E-11	0	2.12E-09	-4.53E-07
SQP	Pt	94.5	5.61E-05	6.12E-04	0	0.0581	-19.1

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	36.3	0.00480	0.0516	0	0.0178	-51.6
ODP	kg CFC11-eq.	7.14E-11	1.25E-16	1.37E-15	0	5.38E-14	-4.96E-11
AP	kg SO ₂ -eq.	0.150	1.60E-05	2.13E-04	0	1.01E-04	-0.153
EP	kg PO ₄ ³⁻ -eq.	0.0105	3.79E-06	5.36E-05	0	1.15E-05	-0.0110
POCP	kg C ₂ H ₄ -eq.	0.00912	1.56E-06	-8.71E-05	0	7.63E-06	-0.00922
ADPE	kg Sb-eq.	6.50E-05	1.54E-11	1.68E-10	0	8.45E-10	-2.21E-06
ADPF	MJ	398	0.0651	0.711	0	0.229	-538

EPD results for 1m² of:

NC161 Barcode Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	37.3	0.00489	0.0526	0	0.0183	-52.8
GWP-fossil	kg CO ₂ -eq.	37.0	0.00489	0.0526	0	0.0180	-52.7
GWP-biogenic	kg CO ₂ -eq.	0.345	2.41E-07	2.63E-06	0	2.32E-04	-0.0931
GWP-luluc	kg CO ₂ -eq.	0.00353	5.69E-08	6.21E-07	0	5.67E-05	-0.00482
ODP	kg CFC11-eq.	6.17E-11	1.08E-16	1.18E-15	0	4.65E-14	-4.28E-11
AP	Mole of H+ eq.	0.183	2.35E-05	3.20E-04	0	1.29E-04	-0.185
EP-freshwater	kg P eq.	5.93E-05	8.54E-10	9.32E-09	0	3.68E-08	-1.77E-05
EP-marine	kg N eq.	0.0288	1.15E-05	1.62E-04	0	3.35E-05	-0.0314
EP-terrestrial	Mole of N eq.	0.329	1.26E-04	0.00178	0	3.68E-04	-0.342
POCP	kg NMVOC eq.	0.0861	3.21E-05	3.10E-04	0	1.01E-04	-0.0934
ADP-minerals&metals	kg Sb-eq.	6.65E-05	1.56E-11	1.70E-10	0	8.44E-10	-1.85E-06
ADP-fossil	MJ	426	0.0663	0.724	0	0.243	-713
WDP	m ³ world equiv.	9.82	8.11E-06	8.85E-05	0	0.00200	-3.27

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	364	5.83E-05	6.36E-04	-0.389	0.0396	-242
PERM	MJ	9.31	0	0	0	0	0
PERT	MJ	374	5.83E-05	6.36E-04	-0.389	0.0396	-242
PENRE	MJ	670	0.0663	0.724	12.1	0.243	-512
PENRM	MJ	-5.04	0	0	-12.1	0	-201
PENRT	MJ	665	0.0663	0.724	0	0.243	-714
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	1.02	1.52E-07	1.66E-06	0	6.14E-05	-0.489

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.70E-07	4.11E-14	4.49E-13	0	5.29E-12	7.96E-08
NHWD	kg	2.25	7.49E-07	8.17E-06	0	1.22	-12.2
RWD	kg	0.00531	2.05E-09	2.23E-08	0	2.78E-06	-0.0549
CRU	kg	0	0	0	0	0	0
MFR	kg	9.03E-04	0	0	6.89	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	36.9	0.00489	0.0526	0	0.0180	-52.5
GWP-GHG	kg CO ₂ -eq.	37.0	0.00489	0.0526	0	0.0181	-52.8
PM	Disease incidences	3.10E-06	2.67E-10	1.03E-09	0	1.59E-09	-1.97E-06
IRP	kBq U235 eq.	0.825	2.09E-07	2.28E-06	0	3.22E-04	-12.2
ETP-fw	CTUe	372	0.0155	0.170	0	0.176	-185
HTPc	CTUh	1.85E-08	2.58E-13	2.83E-12	0	2.04E-11	-2.22E-08
HTPnc	CTUh	2.19E-07	5.66E-12	6.10E-11	0	2.16E-09	-4.60E-07
SQP	Pt	96.7	5.70E-05	6.22E-04	0	0.0590	-19.4

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	37.1	0.00487	0.0525	0	0.0181	-52.4
ODP	kg CFC11-eq.	7.37E-11	1.27E-16	1.39E-15	0	5.47E-14	-5.04E-11
AP	kg SO ₂ -eq.	0.153	1.63E-05	2.17E-04	0	1.03E-04	-0.155
EP	kg PO ₄ ³⁻ -eq.	0.0108	3.85E-06	5.45E-05	0	1.17E-05	-0.0112
POCP	kg C ₂ H ₄ -eq.	0.00935	1.58E-06	-8.85E-05	0	7.76E-06	-0.00937
ADPE	kg Sb-eq.	6.64E-05	1.56E-11	1.70E-10	0	8.59E-10	-2.25E-06
ADPF	MJ	408	0.0662	0.722	0	0.233	-546

EPD results for 1m² of:

NC160 Mono-400 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	45.4	0.00618	0.0665	0	0.0231	-66.7
GWP-fossil	kg CO ₂ -eq.	45.0	0.00618	0.0665	0	0.0227	-66.6
GWP-biogenic	kg CO ₂ -eq.	0.404	3.05E-07	3.33E-06	0	2.94E-04	-0.118
GWP-luluc	kg CO ₂ -eq.	0.00419	7.19E-08	7.85E-07	0	7.17E-05	-0.00609
ODP	kg CFC11-eq.	7.04E-11	1.37E-16	1.49E-15	0	5.87E-14	-5.41E-11
AP	Mole of H+ eq.	0.226	2.97E-05	4.04E-04	0	1.64E-04	-0.234
EP-freshwater	kg P eq.	5.71E-05	1.08E-09	1.18E-08	0	4.65E-08	-2.24E-05
EP-marine	kg N eq.	0.0350	1.45E-05	2.04E-04	0	4.23E-05	-0.0397
EP-terrestrial	Mole of N eq.	0.399	1.59E-04	0.00225	0	4.65E-04	-0.433
POCP	kg NMVOC eq.	0.105	4.06E-05	3.92E-04	0	1.28E-04	-0.118
ADP-minerals&metals	kg Sb-eq.	8.07E-05	1.97E-11	2.15E-10	0	1.07E-09	-2.34E-06
ADP-fossil	MJ	510	0.0838	0.915	0	0.307	-901
WDP	m ³ world equiv.	12.1	1.03E-05	1.12E-04	0	0.00253	-4.13

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	431	7.37E-05	8.04E-04	-0.492	0.0501	-306
PERM	MJ	11.8	0	0	0	0	0
PERT	MJ	443	7.37E-05	8.04E-04	-0.492	0.0501	-306
PENRE	MJ	819	0.0838	0.915	15.3	0.308	-648
PENRM	MJ	-6.38	0	0	-15.3	0	-255
PENRT	MJ	813	0.0838	0.915	0	0.308	-902
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	1.23	1.92E-07	2.10E-06	0	7.77E-05	-0.619

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	2.08E-07	5.20E-14	5.67E-13	0	6.69E-12	1.01E-07
NHWD	kg	2.24	9.47E-07	1.03E-05	0	1.54	-15.5
RWD	kg	0.00622	2.59E-09	2.82E-08	0	3.52E-06	-0.0693
CRU	kg	0	0	0	0	0	0
MFR	kg	0.00114	0	0	8.70	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	45.0	0.00618	0.0665	0	0.0228	-66.4
GWP-GHG	kg CO ₂ -eq.	45.1	0.00618	0.0666	0	0.0229	-66.7
PM	Disease incidences	3.87E-06	3.38E-10	1.30E-09	0	2.01E-09	-2.49E-06
IRP	kBq U235 eq.	0.975	2.64E-07	2.88E-06	0	4.07E-04	-15.4
ETP-fw	CTUe	409	0.0197	0.214	0	0.223	-233
HTPc	CTUh	2.26E-08	3.26E-13	3.58E-12	0	2.58E-11	-2.80E-08
HTPnc	CTUh	2.48E-07	7.15E-12	7.71E-11	0	2.72E-09	-5.82E-07
SQP	Pt	116	7.21E-05	7.87E-04	0	0.0746	-24.5

Environmental impact EN15804+A1

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	45.1	0.00616	0.0663	0	0.0229	-66.3
ODP	kg CFC11-eq.	8.42E-11	1.61E-16	1.75E-15	0	6.92E-14	-6.37E-11
AP	kg SO ₂ -eq.	0.189	2.05E-05	2.74E-04	0	1.30E-04	-0.196
EP	kg PO ₄ ³⁻ -eq.	0.0129	4.87E-06	6.89E-05	0	1.48E-05	-0.0142
POCP	kg C ₂ H ₄ -eq.	0.0111	2.00E-06	-1.12E-04	0	9.81E-06	-0.0118
ADPE	kg Sb-eq.	8.06E-05	1.97E-11	2.15E-10	0	1.09E-09	-2.84E-06
ADPF	MJ	490	0.0837	0.913	0	0.295	-691

EPD results for 1m² of:

NC149 Ripple-200 Board - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	25.2	0.00323	0.0348	0	0.0121	-34.9
GWP-fossil	kg CO ₂ -eq.	24.9	0.00323	0.0348	0	0.0119	-34.8
GWP-biogenic	kg CO ₂ -eq.	0.237	1.59E-07	1.74E-06	0	1.53E-04	-0.0615
GWP-luluc	kg CO ₂ -eq.	0.00242	3.76E-08	4.10E-07	0	3.75E-05	-0.00318
ODP	kg CFC11-eq.	4.31E-11	7.13E-17	7.78E-16	0	3.07E-14	-2.83E-11
AP	Mole of H+ eq.	0.122	1.55E-05	2.11E-04	0	8.55E-05	-0.122
EP-freshwater	kg P eq.	4.46E-05	5.64E-10	6.15E-09	0	2.43E-08	-1.17E-05
EP-marine	kg N eq.	0.0194	7.60E-06	1.07E-04	0	2.21E-05	-0.0208
EP-terrestrial	Mole of N eq.	0.222	8.32E-05	0.00118	0	2.43E-04	-0.226
POCP	kg NMVOC eq.	0.0582	2.12E-05	2.05E-04	0	6.67E-05	-0.0617
ADP-minerals&metals	kg Sb-eq.	4.49E-05	1.03E-11	1.12E-10	0	5.58E-10	-1.22E-06
ADP-fossil	MJ	290	0.0438	0.478	0	0.161	-471
WDP	m ³ world equiv.	6.60	5.36E-06	5.84E-05	0	0.00132	-2.16

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	250	3.85E-05	4.20E-04	-0.257	0.0262	-160
PERM	MJ	6.16	0	0	0	0	0
PERT	MJ	256	3.85E-05	4.20E-04	-0.257	0.0262	-160
PENRE	MJ	450	0.0438	0.478	7.97	0.161	-338
PENRM	MJ	-3.33	0	0	-7.97	0	-133
PENRT	MJ	447	0.0438	0.478	0	0.161	-471
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.692	1.00E-07	1.10E-06	0	4.06E-05	-0.323

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.14E-07	2.72E-14	2.96E-13	0	3.49E-12	5.26E-08
NHWD	kg	1.67	4.95E-07	5.40E-06	0	0.803	-8.07
RWD	kg	0.00365	1.35E-09	1.47E-08	0	1.84E-06	-0.0362
CRU	kg	0	0	0	0	0	0
MFR	kg	5.96E-04	0	0	4.55	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	24.9	0.00323	0.0348	0	0.0119	-34.7
GWP-GHG	kg CO ₂ -eq.	25.0	0.00323	0.0348	0	0.0120	-34.8
PM	Disease incidences	2.07E-06	1.77E-10	6.81E-10	0	1.05E-09	-1.30E-06
IRP	kBq U235 eq.	0.565	1.38E-07	1.50E-06	0	2.13E-04	-8.05
ETP-fw	CTUe	265	0.0103	0.112	0	0.116	-122
HTPc	CTUh	1.24E-08	1.70E-13	1.87E-12	0	1.35E-11	-1.47E-08
HTPnc	CTUh	1.53E-07	3.74E-12	4.03E-11	0	1.42E-09	-3.04E-07
SQP	Pt	65.7	3.77E-05	4.11E-04	0	0.0390	-12.8

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	25.0	0.00322	0.0347	0	0.0120	-34.6
ODP	kg CFC11-eq.	5.14E-11	8.40E-17	9.16E-16	0	3.61E-14	-3.33E-11
AP	kg SO ₂ -eq.	0.102	1.07E-05	1.43E-04	0	6.80E-05	-0.103
EP	kg PO ₄ ³⁻ -eq.	0.00734	2.54E-06	3.60E-05	0	7.72E-06	-0.00740
POCP	kg C ₂ H ₄ -eq.	0.00639	1.05E-06	-5.84E-05	0	5.12E-06	-0.00619
ADPE	kg Sb-eq.	4.49E-05	1.03E-11	1.12E-10	0	5.67E-10	-1.49E-06
ADPF	MJ	277	0.0437	0.477	0	0.154	-361

EPD results for 1m² of:

NC127 Ripple-150 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	35.3	0.00334	0.0360	0	0.0125	-36.1
GWP-fossil	kg CO ₂ -eq.	34.5	0.00334	0.0360	0	0.0123	-36.0
GWP-biogenic	kg CO ₂ -eq.	0.767	1.65E-07	1.80E-06	0	1.59E-04	-0.0636
GWP-luluc	kg CO ₂ -eq.	0.00344	3.89E-08	4.24E-07	0	3.87E-05	-0.00329
ODP	kg CFC11-eq.	5.51E-11	7.38E-17	8.05E-16	0	3.17E-14	-2.92E-11
AP	Mole of H+ eq.	0.173	1.60E-05	2.18E-04	0	8.84E-05	-0.127
EP-freshwater	kg P eq.	5.14E-04	5.83E-10	6.36E-09	0	2.51E-08	-1.21E-05
EP-marine	kg N eq.	0.0310	7.86E-06	1.10E-04	0	2.29E-05	-0.0215
EP-terrestrial	Mole of N eq.	0.338	8.60E-05	0.00122	0	2.51E-04	-0.234
POCP	kg NMVOC eq.	0.0846	2.19E-05	2.12E-04	0	6.90E-05	-0.0638
ADP-minerals&metals	kg Sb-eq.	0.00124	1.07E-11	1.16E-10	0	5.77E-10	-1.26E-06
ADP-fossil	MJ	411	0.0453	0.494	0	0.166	-487
WDP	m ³ world equiv.	-14.7	5.54E-06	6.04E-05	0	0.00137	-2.23

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	335	3.98E-05	4.34E-04	-0.266	0.0271	-165
PERM	MJ	6.35	0	0	0	0	0
PERT	MJ	341	3.98E-05	4.34E-04	-0.266	0.0271	-165
PENRE	MJ	576	0.0453	0.494	8.24	0.166	-350
PENRM	MJ	-3.42	0	0	-8.24	0	-138
PENRT	MJ	573	0.0453	0.494	0	0.166	-488
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.875	1.04E-07	1.13E-06	0	4.20E-05	-0.334

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.75E-07	2.81E-14	3.07E-13	0	3.61E-12	5.44E-08
NHWD	kg	3.33	5.12E-07	5.58E-06	0	0.831	-8.35
RWD	kg	0.00344	1.40E-09	1.53E-08	0	1.90E-06	-0.0375
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	4.70	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	34.9	0.00334	0.0360	0	0.0123	-35.9
GWP-GHG	kg CO ₂ -eq.	35.0	0.00334	0.0360	0	0.0124	-36.0
PM	Disease incidences	2.46E-06	1.83E-10	7.04E-10	0	1.09E-09	-1.35E-06
IRP	kBq U235 eq.	0.532	1.43E-07	1.56E-06	0	2.20E-04	-8.33
ETP-fw	CTUe	409	0.0106	0.116	0	0.120	-126
HTPc	CTUh	1.53E-08	1.76E-13	1.93E-12	0	1.39E-11	-1.52E-08
HTPnc	CTUh	1.59E-07	3.87E-12	4.17E-11	0	1.47E-09	-3.15E-07
SQP	Pt	80.5	3.90E-05	4.25E-04	0	0.0403	-13.3

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	35.0	0.00333	0.0358	0	0.0124	-35.8
ODP	kg CFC11-eq.	6.55E-11	8.69E-17	9.48E-16	0	3.74E-14	-3.44E-11
AP	kg SO ₂ -eq.	0.143	1.11E-05	1.48E-04	0	7.03E-05	-0.106
EP	kg PO ₄ ³⁻ -eq.	0.0147	2.63E-06	3.72E-05	0	7.99E-06	-0.00765
POCP	kg C ₂ H ₄ -eq.	0.00820	1.08E-06	-6.05E-05	0	5.30E-06	-0.00640
ADPE	kg Sb-eq.	0.00124	1.07E-11	1.16E-10	0	5.87E-10	-1.54E-06
ADPF	MJ	399	0.0452	0.493	0	0.159	-373

EPD results for 1m² of:

NC100 Classique Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	35.6	0.00342	0.0368	0	0.0128	-36.9
GWP-fossil	kg CO ₂ -eq.	34.8	0.00342	0.0368	0	0.0126	-36.9
GWP-biogenic	kg CO ₂ -eq.	0.759	1.69E-07	1.84E-06	0	1.62E-04	-0.0651
GWP-luluc	kg CO ₂ -eq.	0.00346	3.98E-08	4.34E-07	0	3.97E-05	-0.00337
ODP	kg CFC11-eq.	5.54E-11	7.55E-17	8.24E-16	0	3.25E-14	-2.99E-11
AP	Mole of H+ eq.	0.175	1.64E-05	2.24E-04	0	9.06E-05	-0.130
EP-freshwater	kg P eq.	5.04E-04	5.97E-10	6.52E-09	0	2.57E-08	-1.24E-05
EP-marine	kg N eq.	0.0311	8.04E-06	1.13E-04	0	2.34E-05	-0.0220
EP-terrestrial	Mole of N eq.	0.340	8.81E-05	0.00125	0	2.57E-04	-0.239
POCP	kg NMVOC eq.	0.0853	2.25E-05	2.17E-04	0	7.06E-05	-0.0654
ADP-minerals&metals	kg Sb-eq.	0.00121	1.09E-11	1.19E-10	0	5.91E-10	-1.29E-06
ADP-fossil	MJ	414	0.0464	0.506	0	0.170	-498
WDP	m ³ world equiv.	-14.1	5.67E-06	6.19E-05	0	0.00140	-2.29

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	337	4.08E-05	4.45E-04	-0.272	0.0277	-169
PERM	MJ	6.50	0	0	0	0	0
PERT	MJ	344	4.08E-05	4.45E-04	-0.272	0.0277	-169
PENRE	MJ	583	0.0464	0.506	8.44	0.170	-358
PENRM	MJ	-3.51	0	0	-8.44	0	-141
PENRT	MJ	580	0.0464	0.506	0	0.170	-499
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.884	1.06E-07	1.16E-06	0	4.30E-05	-0.342

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.65E-07	2.88E-14	3.14E-13	0	3.70E-12	5.57E-08
NHWD	kg	3.29	5.24E-07	5.72E-06	0	0.851	-8.55
RWD	kg	0.00351	1.43E-09	1.56E-08	0	1.95E-06	-0.0384
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	4.82	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	35.2	0.00342	0.0368	0	0.0126	-36.7
GWP-GHG	kg CO ₂ -eq.	35.3	0.00342	0.0368	0	0.0127	-36.9
PM	Disease incidences	2.50E-06	1.87E-10	7.21E-10	0	1.11E-09	-1.38E-06
IRP	kBq U235 eq.	0.542	1.46E-07	1.59E-06	0	2.25E-04	-8.53
ETP-fw	CTUe	408	0.0109	0.119	0	0.123	-129
HTPc	CTUh	1.55E-08	1.80E-13	1.98E-12	0	1.43E-11	-1.55E-08
HTPnc	CTUh	1.61E-07	3.96E-12	4.27E-11	0	1.51E-09	-3.22E-07
SQP	Pt	81.4	3.99E-05	4.35E-04	0	0.0413	-13.6

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	35.3	0.00341	0.0367	0	0.0127	-36.7
ODP	kg CFC11-eq.	6.59E-11	8.89E-17	9.71E-16	0	3.83E-14	-3.52E-11
AP	kg SO ₂ -eq.	0.145	1.14E-05	1.51E-04	0	7.20E-05	-0.109
EP	kg PO ₄ ³⁻ -eq.	0.0147	2.69E-06	3.81E-05	0	8.18E-06	-0.00784
POCP	kg C ₂ H ₄ -eq.	0.00828	1.11E-06	-6.19E-05	0	5.43E-06	-0.00656
ADPE	kg Sb-eq.	0.00122	1.09E-11	1.19E-10	0	6.01E-10	-1.57E-06
ADPF	MJ	402	0.0463	0.505	0	0.163	-382

EPD results for 1m² of:

NC132 Aero-115 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	36.1	0.00344	0.0370	0	0.0128	-37.1
GWP-fossil	kg CO ₂ -eq.	35.3	0.00344	0.0370	0	0.0126	-37.0
GWP-biogenic	kg CO ₂ -eq.	0.778	1.69E-07	1.85E-06	0	1.63E-04	-0.0654
GWP-luluc	kg CO ₂ -eq.	0.00351	4.00E-08	4.36E-07	0	3.98E-05	-0.00338
ODP	kg CFC11-eq.	5.62E-11	7.59E-17	8.28E-16	0	3.27E-14	-3.01E-11
AP	Mole of H+ eq.	0.177	1.65E-05	2.25E-04	0	9.10E-05	-0.130
EP-freshwater	kg P eq.	5.19E-04	6.00E-10	6.55E-09	0	2.58E-08	-1.24E-05
EP-marine	kg N eq.	0.0316	8.08E-06	1.14E-04	0	2.35E-05	-0.0221
EP-terrestrial	Mole of N eq.	0.345	8.85E-05	0.00125	0	2.59E-04	-0.240
POCP	kg NMVOC eq.	0.0865	2.26E-05	2.18E-04	0	7.09E-05	-0.0656
ADP-minerals&metals	kg Sb-eq.	0.00125	1.10E-11	1.20E-10	0	5.93E-10	-1.30E-06
ADP-fossil	MJ	419	0.0466	0.508	0	0.171	-501
WDP	m ³ world equiv.	-14.7	5.70E-06	6.22E-05	0	0.00141	-2.30

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	342	4.09E-05	4.47E-04	-0.273	0.0279	-170
PERM	MJ	6.53	0	0	0	0	0
PERT	MJ	349	4.09E-05	4.47E-04	-0.273	0.0279	-170
PENRE	MJ	590	0.0466	0.508	8.48	0.171	-360
PENRM	MJ	-3.52	0	0	-8.48	0	-141
PENRT	MJ	586	0.0466	0.508	0	0.171	-502
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.895	1.07E-07	1.17E-06	0	4.32E-05	-0.344

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.83E-07	2.89E-14	3.15E-13	0	3.72E-12	5.60E-08
NHWD	kg	3.37	5.26E-07	5.74E-06	0	0.855	-8.59
RWD	kg	0.00353	1.44E-09	1.57E-08	0	1.95E-06	-0.0385
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	4.84	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	35.7	0.00344	0.0370	0	0.0127	-36.9
GWP-GHG	kg CO ₂ -eq.	35.7	0.00344	0.0370	0	0.0127	-37.1
PM	Disease incidences	2.52E-06	1.88E-10	7.24E-10	0	1.12E-09	-1.39E-06
IRP	kBq U235 eq.	0.546	1.47E-07	1.60E-06	0	2.26E-04	-8.57
ETP-fw	CTUe	416	0.0109	0.119	0	0.124	-130
HTPc	CTUh	1.56E-08	1.81E-13	1.99E-12	0	1.43E-11	-1.56E-08
HTPnc	CTUh	1.62E-07	3.98E-12	4.29E-11	0	1.51E-09	-3.23E-07
SQP	Pt	82.4	4.01E-05	4.37E-04	0	0.0415	-13.6

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	35.8	0.00343	0.0369	0	0.0127	-36.8
ODP	kg CFC11-eq.	6.69E-11	8.93E-17	9.75E-16	0	3.84E-14	-3.54E-11
AP	kg SO ₂ -eq.	0.146	1.14E-05	1.52E-04	0	7.24E-05	-0.109
EP	kg PO ₄ ³⁻ -eq.	0.0149	2.71E-06	3.83E-05	0	8.21E-06	-0.00787
POCP	kg C ₂ H ₄ -eq.	0.00839	1.11E-06	-6.22E-05	0	5.45E-06	-0.00659
ADPE	kg Sb-eq.	0.00125	1.10E-11	1.20E-10	0	6.04E-10	-1.58E-06
ADPF	MJ	407	0.0465	0.507	0	0.164	-384

EPD results for 1m² of:

NC123 Shiplap Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	35.8	0.00344	0.0370	0	0.0128	-37.1
GWP-fossil	kg CO ₂ -eq.	35.0	0.00344	0.0370	0	0.0126	-37.0
GWP-biogenic	kg CO ₂ -eq.	0.762	1.69E-07	1.85E-06	0	1.63E-04	-0.0654
GWP-luluc	kg CO ₂ -eq.	0.00347	4.00E-08	4.36E-07	0	3.99E-05	-0.00339
ODP	kg CFC11-eq.	5.56E-11	7.59E-17	8.28E-16	0	3.27E-14	-3.01E-11
AP	Mole of H+ eq.	0.175	1.65E-05	2.25E-04	0	9.10E-05	-0.130
EP-freshwater	kg P eq.	5.05E-04	6.00E-10	6.55E-09	0	2.58E-08	-1.25E-05
EP-marine	kg N eq.	0.0313	8.08E-06	1.14E-04	0	2.35E-05	-0.0221
EP-terrestrial	Mole of N eq.	0.341	8.85E-05	0.00125	0	2.59E-04	-0.241
POCP	kg NMVOC eq.	0.0856	2.26E-05	2.18E-04	0	7.09E-05	-0.0657
ADP-minerals&metals	kg Sb-eq.	0.00122	1.10E-11	1.20E-10	0	5.93E-10	-1.30E-06
ADP-fossil	MJ	415	0.0466	0.509	0	0.171	-501
WDP	m ³ world equiv.	-14.1	5.70E-06	6.22E-05	0	0.00141	-2.30

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	339	4.10E-05	4.47E-04	-0.274	0.0279	-170
PERM	MJ	6.53	0	0	0	0	0
PERT	MJ	345	4.10E-05	4.47E-04	-0.274	0.0279	-170
PENRE	MJ	586	0.0466	0.509	8.48	0.171	-360
PENRM	MJ	-3.52	0	0	-8.48	0	-142
PENRT	MJ	582	0.0466	0.509	0	0.171	-502
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.888	1.07E-07	1.17E-06	0	4.32E-05	-0.344

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.67E-07	2.89E-14	3.15E-13	0	3.72E-12	5.60E-08
NHWD	kg	3.30	5.27E-07	5.75E-06	0	0.855	-8.59
RWD	kg	0.00352	1.44E-09	1.57E-08	0	1.96E-06	-0.0386
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	4.84	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	35.3	0.00344	0.0370	0	0.0127	-36.9
GWP-GHG	kg CO ₂ -eq.	35.4	0.00344	0.0370	0	0.0127	-37.1
PM	Disease incidences	2.51E-06	1.88E-10	7.24E-10	0	1.12E-09	-1.39E-06
IRP	kBq U235 eq.	0.545	1.47E-07	1.60E-06	0	2.26E-04	-8.57
ETP-fw	CTUe	410	0.0109	0.119	0	0.124	-130
HTPc	CTUh	1.55E-08	1.81E-13	1.99E-12	0	1.43E-11	-1.56E-08
HTPnc	CTUh	1.61E-07	3.98E-12	4.29E-11	0	1.51E-09	-3.24E-07
SQP	Pt	81.8	4.01E-05	4.37E-04	0	0.0415	-13.6

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	35.5	0.00343	0.0369	0	0.0127	-36.8
ODP	kg CFC11-eq.	6.62E-11	8.94E-17	9.75E-16	0	3.85E-14	-3.54E-11
AP	kg SO ₂ -eq.	0.145	1.14E-05	1.52E-04	0	7.24E-05	-0.109
EP	kg PO ₄ ³⁻ -eq.	0.0147	2.71E-06	3.83E-05	0	8.22E-06	-0.00787
POCP	kg C ₂ H ₄ -eq.	0.00831	1.11E-06	-6.22E-05	0	5.45E-06	-0.00659
ADPE	kg Sb-eq.	0.00122	1.10E-11	1.20E-10	0	6.04E-10	-1.58E-06
ADPF	MJ	403	0.0465	0.508	0	0.164	-384

EPD results for 1m² of:

NC140 Louvre-120 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	36.5	0.00354	0.0381	0	0.0132	-38.2
GWP-fossil	kg CO ₂ -eq.	35.8	0.00354	0.0381	0	0.0130	-38.2
GWP-biogenic	kg CO ₂ -eq.	0.770	1.75E-07	1.91E-06	0	1.68E-04	-0.0674
GWP-luluc	kg CO ₂ -eq.	0.00354	4.12E-08	4.50E-07	0	4.11E-05	-0.00349
ODP	kg CFC11-eq.	5.67E-11	7.82E-17	8.53E-16	0	3.37E-14	-3.10E-11
AP	Mole of H+ eq.	0.179	1.70E-05	2.32E-04	0	9.38E-05	-0.134
EP-freshwater	kg P eq.	5.08E-04	6.18E-10	6.75E-09	0	2.66E-08	-1.28E-05
EP-marine	kg N eq.	0.0319	8.33E-06	1.17E-04	0	2.42E-05	-0.0228
EP-terrestrial	Mole of N eq.	0.348	9.12E-05	0.00129	0	2.67E-04	-0.248
POCP	kg NMVOC eq.	0.0874	2.33E-05	2.24E-04	0	7.31E-05	-0.0677
ADP-minerals&metals	kg Sb-eq.	0.00122	1.13E-11	1.23E-10	0	6.11E-10	-1.34E-06
ADP-fossil	MJ	424	0.0480	0.524	0	0.176	-516
WDP	m ³ world equiv.	-14.0	5.87E-06	6.41E-05	0	0.00145	-2.37

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	346	4.22E-05	4.61E-04	-0.282	0.0287	-175
PERM	MJ	6.73	0	0	0	0	0
PERT	MJ	352	4.22E-05	4.61E-04	-0.282	0.0287	-175
PENRE	MJ	600	0.0480	0.524	8.74	0.176	-371
PENRM	MJ	-3.63	0	0	-8.74	0	-146
PENRT	MJ	596	0.0480	0.524	0	0.176	-517
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.909	1.10E-07	1.20E-06	0	4.45E-05	-0.354

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.73E-07	2.98E-14	3.25E-13	0	3.83E-12	5.77E-08
NHWD	kg	3.34	5.43E-07	5.92E-06	0	0.881	-8.85
RWD	kg	0.00362	1.48E-09	1.62E-08	0	2.01E-06	-0.0397
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	4.99	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	36.1	0.00354	0.0381	0	0.0131	-38.0
GWP-GHG	kg CO ₂ -eq.	36.2	0.00354	0.0381	0	0.0131	-38.2
PM	Disease incidences	2.58E-06	1.94E-10	7.46E-10	0	1.15E-09	-1.43E-06
IRP	kBq U235 eq.	0.560	1.51E-07	1.65E-06	0	2.33E-04	-8.83
ETP-fw	CTUe	416	0.0113	0.123	0	0.128	-134
HTPc	CTUh	1.59E-08	1.87E-13	2.05E-12	0	1.48E-11	-1.61E-08
HTPnc	CTUh	1.65E-07	4.10E-12	4.42E-11	0	1.56E-09	-3.33E-07
SQP	Pt	83.7	4.13E-05	4.51E-04	0	0.0428	-14.1

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	36.2	0.00353	0.0380	0	0.0131	-38.0
ODP	kg CFC11-eq.	6.75E-11	9.21E-17	1.00E-15	0	3.96E-14	-3.65E-11
AP	kg SO ₂ -eq.	0.148	1.18E-05	1.57E-04	0	7.46E-05	-0.112
EP	kg PO ₄ ³⁻ -eq.	0.0149	2.79E-06	3.95E-05	0	8.47E-06	-0.00811
POCP	kg C ₂ H ₄ -eq.	0.00850	1.15E-06	-6.41E-05	0	5.62E-06	-0.00679
ADPE	kg Sb-eq.	0.00123	1.13E-11	1.23E-10	0	6.22E-10	-1.63E-06
ADPF	MJ	412	0.0479	0.523	0	0.169	-396

EPD results for 1m² of:

NC150 Aero-200 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	36.0	0.00360	0.0387	0	0.0134	-38.8
GWP-fossil	kg CO ₂ -eq.	35.2	0.00360	0.0387	0	0.0132	-38.7
GWP-biogenic	kg CO ₂ -eq.	0.729	1.77E-07	1.93E-06	0	1.71E-04	-0.0684
GWP-luluc	kg CO ₂ -eq.	0.00346	4.18E-08	4.56E-07	0	4.17E-05	-0.00354
ODP	kg CFC11-eq.	5.55E-11	7.94E-17	8.66E-16	0	3.42E-14	-3.15E-11
AP	Mole of H+ eq.	0.177	1.73E-05	2.35E-04	0	9.52E-05	-0.136
EP-freshwater	kg P eq.	4.69E-04	6.28E-10	6.85E-09	0	2.70E-08	-1.30E-05
EP-marine	kg N eq.	0.0311	8.46E-06	1.19E-04	0	2.46E-05	-0.0231
EP-terrestrial	Mole of N eq.	0.341	9.26E-05	0.00131	0	2.71E-04	-0.252
POCP	kg NMVOC eq.	0.0858	2.36E-05	2.28E-04	0	7.42E-05	-0.0687
ADP-minerals&metals	kg Sb-eq.	0.00113	1.15E-11	1.25E-10	0	6.21E-10	-1.36E-06
ADP-fossil	MJ	416	0.0488	0.532	0	0.179	-524
WDP	m ³ world equiv.	-12.3	5.96E-06	6.50E-05	0	0.00147	-2.40

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	340	4.28E-05	4.68E-04	-0.286	0.0291	-178
PERM	MJ	6.83	0	0	0	0	0
PERT	MJ	346	4.28E-05	4.68E-04	-0.286	0.0291	-178
PENRE	MJ	594	0.0488	0.532	8.87	0.179	-377
PENRM	MJ	-3.69	0	0	-8.87	0	-148
PENRT	MJ	591	0.0488	0.532	0	0.179	-525
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.899	1.12E-07	1.22E-06	0	4.52E-05	-0.360

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.30E-07	3.02E-14	3.30E-13	0	3.89E-12	5.86E-08
NHWD	kg	3.15	5.51E-07	6.01E-06	0	0.894	-8.99
RWD	kg	0.00364	1.50E-09	1.64E-08	0	2.05E-06	-0.0403
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	5.06	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	35.5	0.00360	0.0387	0	0.0133	-38.6
GWP-GHG	kg CO ₂ -eq.	35.6	0.00360	0.0387	0	0.0133	-38.8
PM	Disease incidences	2.58E-06	1.97E-10	7.57E-10	0	1.17E-09	-1.45E-06
IRP	kBq U235 eq.	0.564	1.53E-07	1.67E-06	0	2.37E-04	-8.97
ETP-fw	CTUe	401	0.0114	0.125	0	0.129	-136
HTPc	CTUh	1.58E-08	1.89E-13	2.08E-12	0	1.50E-11	-1.63E-08
HTPnc	CTUh	1.63E-07	4.16E-12	4.49E-11	0	1.58E-09	-3.38E-07
SQP	Pt	82.9	4.19E-05	4.57E-04	0	0.0434	-14.3

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	35.7	0.00358	0.0386	0	0.0133	-38.5
ODP	kg CFC11-eq.	6.61E-11	9.35E-17	1.02E-15	0	4.02E-14	-3.70E-11
AP	kg SO ₂ -eq.	0.147	1.19E-05	1.59E-04	0	7.57E-05	-0.114
EP	kg PO ₄ ³⁻ -eq.	0.0144	2.83E-06	4.01E-05	0	8.60E-06	-0.00823
POCP	kg C ₂ H ₄ -eq.	0.00838	1.16E-06	-6.51E-05	0	5.70E-06	-0.00689
ADPE	kg Sb-eq.	0.00113	1.15E-11	1.25E-10	0	6.32E-10	-1.65E-06
ADPF	MJ	404	0.0487	0.531	0	0.171	-402

EPD results for 1m² of:

NC133 Louvre-60 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	37.8	0.00361	0.0388	0	0.0135	-38.9
GWP-fossil	kg CO ₂ -eq.	37.0	0.00361	0.0388	0	0.0133	-38.9
GWP-biogenic	kg CO ₂ -eq.	0.812	1.78E-07	1.94E-06	0	1.71E-04	-0.0687
GWP-luluc	kg CO ₂ -eq.	0.00368	4.20E-08	4.58E-07	0	4.18E-05	-0.00355
ODP	kg CFC11-eq.	5.89E-11	7.97E-17	8.69E-16	0	3.43E-14	-3.16E-11
AP	Mole of H+ eq.	0.185	1.73E-05	2.36E-04	0	9.55E-05	-0.137
EP-freshwater	kg P eq.	5.42E-04	6.30E-10	6.87E-09	0	2.71E-08	-1.31E-05
EP-marine	kg N eq.	0.0331	8.48E-06	1.19E-04	0	2.47E-05	-0.0232
EP-terrestrial	Mole of N eq.	0.361	9.29E-05	0.00131	0	2.71E-04	-0.252
POCP	kg NMVOC eq.	0.0906	2.37E-05	2.28E-04	0	7.45E-05	-0.0689
ADP-minerals&metals	kg Sb-eq.	0.00131	1.15E-11	1.26E-10	0	6.23E-10	-1.37E-06
ADP-fossil	MJ	439	0.0489	0.534	0	0.179	-526
WDP	m ³ world equiv.	-15.3	5.98E-06	6.53E-05	0	0.00148	-2.41

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	358	4.30E-05	4.69E-04	-0.287	0.0292	-178
PERM	MJ	6.85	0	0	0	0	0
PERT	MJ	365	4.30E-05	4.69E-04	-0.287	0.0292	-178
PENRE	MJ	618	0.0489	0.534	8.90	0.179	-378
PENRM	MJ	-3.70	0	0	-8.90	0	-149
PENRT	MJ	615	0.0489	0.534	0	0.179	-527
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.938	1.12E-07	1.22E-06	0	4.53E-05	-0.361

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	7.13E-07	3.03E-14	3.31E-13	0	3.90E-12	5.87E-08
NHWD	kg	3.52	5.53E-07	6.03E-06	0	0.897	-9.02
RWD	kg	0.00371	1.51E-09	1.65E-08	0	2.05E-06	-0.0405
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	5.08	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	37.3	0.00361	0.0388	0	0.0133	-38.7
GWP-GHG	kg CO ₂ -eq.	37.4	0.00361	0.0388	0	0.0134	-38.9
PM	Disease incidences	2.65E-06	1.97E-10	7.60E-10	0	1.17E-09	-1.45E-06
IRP	kBq U235 eq.	0.573	1.54E-07	1.68E-06	0	2.37E-04	-9.00
ETP-fw	CTUe	435	0.0115	0.125	0	0.130	-136
HTPc	CTUh	1.64E-08	1.90E-13	2.09E-12	0	1.51E-11	-1.64E-08
HTPnc	CTUh	1.70E-07	4.17E-12	4.50E-11	0	1.59E-09	-3.40E-07
SQP	Pt	86.3	4.21E-05	4.59E-04	0	0.0436	-14.3

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	37.5	0.00360	0.0387	0	0.0134	-38.7
ODP	kg CFC11-eq.	7.00E-11	9.38E-17	1.02E-15	0	4.04E-14	-3.72E-11
AP	kg SO ₂ -eq.	0.153	1.20E-05	1.60E-04	0	7.60E-05	-0.115
EP	kg PO ₄ ³⁻ -eq.	0.0156	2.84E-06	4.02E-05	0	8.62E-06	-0.00826
POCP	kg C ₂ H ₄ -eq.	0.00879	1.17E-06	-6.53E-05	0	5.72E-06	-0.00691
ADPE	kg Sb-eq.	0.00131	1.15E-11	1.26E-10	0	6.34E-10	-1.66E-06
ADPF	MJ	427	0.0488	0.533	0	0.172	-403

EPD results for 1m² of:

NC148 Mono-200 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	36.3	0.00362	0.0389	0	0.0135	-39.0
GWP-fossil	kg CO ₂ -eq.	35.6	0.00362	0.0389	0	0.0133	-39.0
GWP-biogenic	kg CO ₂ -eq.	0.741	1.78E-07	1.95E-06	0	1.72E-04	-0.0688
GWP-luluc	kg CO ₂ -eq.	0.00350	4.21E-08	4.59E-07	0	4.19E-05	-0.00356
ODP	kg CFC11-eq.	5.61E-11	7.99E-17	8.71E-16	0	3.44E-14	-3.16E-11
AP	Mole of H+ eq.	0.179	1.74E-05	2.36E-04	0	9.57E-05	-0.137
EP-freshwater	kg P eq.	4.79E-04	6.31E-10	6.89E-09	0	2.72E-08	-1.31E-05
EP-marine	kg N eq.	0.0315	8.50E-06	1.19E-04	0	2.47E-05	-0.0232
EP-terrestrial	Mole of N eq.	0.345	9.31E-05	0.00132	0	2.72E-04	-0.253
POCP	kg NMVOC eq.	0.0867	2.38E-05	2.29E-04	0	7.46E-05	-0.0691
ADP-minerals&metals	kg Sb-eq.	0.00115	1.15E-11	1.26E-10	0	6.24E-10	-1.37E-06
ADP-fossil	MJ	420	0.0490	0.535	0	0.180	-527
WDP	m ³ world equiv.	-12.6	6.00E-06	6.54E-05	0	0.00148	-2.42

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	343	4.31E-05	4.70E-04	-0.288	0.0293	-179
PERM	MJ	6.87	0	0	0	0	0
PERT	MJ	350	4.31E-05	4.70E-04	-0.288	0.0293	-179
PENRE	MJ	600	0.0490	0.535	8.92	0.180	-379
PENRM	MJ	-3.71	0	0	-8.92	0	-149
PENRT	MJ	596	0.0490	0.535	0	0.180	-528
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.908	1.12E-07	1.23E-06	0	4.54E-05	-0.362

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.41E-07	3.04E-14	3.32E-13	0	3.91E-12	5.89E-08
NHWD	kg	3.20	5.54E-07	6.04E-06	0	0.899	-9.04
RWD	kg	0.00366	1.51E-09	1.65E-08	0	2.06E-06	-0.0406
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	5.09	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	35.9	0.00362	0.0389	0	0.0133	-38.8
GWP-GHG	kg CO ₂ -eq.	36.0	0.00362	0.0389	0	0.0134	-39.0
PM	Disease incidences	2.60E-06	1.98E-10	7.62E-10	0	1.18E-09	-1.46E-06
IRP	kBq U235 eq.	0.568	1.54E-07	1.68E-06	0	2.38E-04	-9.02
ETP-fw	CTUe	407	0.0115	0.125	0	0.130	-136
HTPc	CTUh	1.60E-08	1.90E-13	2.09E-12	0	1.51E-11	-1.64E-08
HTPnc	CTUh	1.65E-07	4.19E-12	4.51E-11	0	1.59E-09	-3.40E-07
SQP	Pt	83.7	4.22E-05	4.60E-04	0	0.0437	-14.4

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	36.0	0.00360	0.0388	0	0.0134	-38.8
ODP	kg CFC11-eq.	6.68E-11	9.40E-17	1.03E-15	0	4.05E-14	-3.73E-11
AP	kg SO ₂ -eq.	0.148	1.20E-05	1.60E-04	0	7.62E-05	-0.115
EP	kg PO ₄ ³⁻ -eq.	0.0146	2.85E-06	4.03E-05	0	8.65E-06	-0.00828
POCP	kg C ₂ H ₄ -eq.	0.00846	1.17E-06	-6.54E-05	0	5.74E-06	-0.00693
ADPE	kg Sb-eq.	0.00116	1.15E-11	1.26E-10	0	6.35E-10	-1.66E-06
ADPF	MJ	408	0.0489	0.534	0	0.172	-404

EPD results for 1m² of:

NC152 Louvre-150 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	37.0	0.00370	0.0398	0	0.0138	-39.9
GWP-fossil	kg CO ₂ -eq.	36.2	0.00370	0.0398	0	0.0136	-39.8
GWP-biogenic	kg CO ₂ -eq.	0.750	1.82E-07	1.99E-06	0	1.75E-04	-0.0703
GWP-luluc	kg CO ₂ -eq.	0.00356	4.30E-08	4.69E-07	0	4.28E-05	-0.00364
ODP	kg CFC11-eq.	5.71E-11	8.16E-17	8.90E-16	0	3.51E-14	-3.23E-11
AP	Mole of H+ eq.	0.182	1.77E-05	2.42E-04	0	9.78E-05	-0.140
EP-freshwater	kg P eq.	4.83E-04	6.45E-10	7.04E-09	0	2.78E-08	-1.34E-05
EP-marine	kg N eq.	0.0320	8.69E-06	1.22E-04	0	2.53E-05	-0.0237
EP-terrestrial	Mole of N eq.	0.350	9.52E-05	0.00135	0	2.78E-04	-0.259
POCP	kg NMVOC eq.	0.0883	2.43E-05	2.34E-04	0	7.63E-05	-0.0706
ADP-minerals&metals	kg Sb-eq.	0.00116	1.18E-11	1.29E-10	0	6.38E-10	-1.40E-06
ADP-fossil	MJ	428	0.0501	0.547	0	0.184	-538
WDP	m ³ world equiv.	-12.7	6.13E-06	6.68E-05	0	0.00151	-2.47

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	349	4.40E-05	4.80E-04	-0.294	0.0300	-183
PERM	MJ	7.02	0	0	0	0	0
PERT	MJ	356	4.40E-05	4.80E-04	-0.294	0.0300	-183
PENRE	MJ	611	0.0501	0.547	9.12	0.184	-387
PENRM	MJ	-3.79	0	0	-9.12	0	-152
PENRT	MJ	607	0.0501	0.547	0	0.184	-539
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.924	1.15E-07	1.25E-06	0	4.64E-05	-0.370

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.49E-07	3.11E-14	3.39E-13	0	4.00E-12	6.02E-08
NHWD	kg	3.24	5.66E-07	6.18E-06	0	0.919	-9.24
RWD	kg	0.00374	1.55E-09	1.69E-08	0	2.10E-06	-0.0414
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	5.20	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	36.6	0.00370	0.0398	0	0.0136	-39.7
GWP-GHG	kg CO ₂ -eq.	36.7	0.00370	0.0398	0	0.0137	-39.9
PM	Disease incidences	2.65E-06	2.02E-10	7.78E-10	0	1.20E-09	-1.49E-06
IRP	kBq U235 eq.	0.580	1.58E-07	1.72E-06	0	2.43E-04	-9.21
ETP-fw	CTUe	413	0.0117	0.128	0	0.133	-139
HTPc	CTUh	1.63E-08	1.95E-13	2.14E-12	0	1.54E-11	-1.68E-08
HTPnc	CTUh	1.68E-07	4.28E-12	4.61E-11	0	1.63E-09	-3.48E-07
SQP	Pt	85.2	4.31E-05	4.70E-04	0	0.0446	-14.7

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	36.7	0.00368	0.0396	0	0.0137	-39.6
ODP	kg CFC11-eq.	6.79E-11	9.61E-17	1.05E-15	0	4.13E-14	-3.81E-11
AP	kg SO ₂ -eq.	0.151	1.23E-05	1.64E-04	0	7.78E-05	-0.117
EP	kg PO ₄ ³⁻ -eq.	0.0148	2.91E-06	4.12E-05	0	8.83E-06	-0.00846
POCP	kg C ₂ H ₄ -eq.	0.00862	1.20E-06	-6.69E-05	0	5.86E-06	-0.00708
ADPE	kg Sb-eq.	0.00117	1.18E-11	1.29E-10	0	6.49E-10	-1.70E-06
ADPF	MJ	415	0.0500	0.546	0	0.176	-413

EPD results for 1m² of:

NC156 E200 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	37.4	0.00374	0.0403	0	0.0140	-40.4
GWP-fossil	kg CO ₂ -eq.	36.7	0.00374	0.0403	0	0.0138	-40.3
GWP-biogenic	kg CO ₂ -eq.	0.759	1.84E-07	2.01E-06	0	1.78E-04	-0.0712
GWP-luluc	kg CO ₂ -eq.	0.00360	4.35E-08	4.75E-07	0	4.34E-05	-0.00368
ODP	kg CFC11-eq.	5.77E-11	8.26E-17	9.01E-16	0	3.55E-14	-3.27E-11
AP	Mole of H+ eq.	0.184	1.80E-05	2.45E-04	0	9.90E-05	-0.142
EP-freshwater	kg P eq.	4.89E-04	6.53E-10	7.12E-09	0	2.81E-08	-1.35E-05
EP-marine	kg N eq.	0.0324	8.80E-06	1.24E-04	0	2.56E-05	-0.0240
EP-terrestrial	Mole of N eq.	0.355	9.63E-05	0.00136	0	2.81E-04	-0.262
POCP	kg NMVOC eq.	0.0893	2.46E-05	2.37E-04	0	7.72E-05	-0.0714
ADP-minerals&metals	kg Sb-eq.	0.00118	1.19E-11	1.30E-10	0	6.46E-10	-1.42E-06
ADP-fossil	MJ	433	0.0507	0.553	0	0.186	-545
WDP	m ³ world equiv.	-12.8	6.20E-06	6.77E-05	0	0.00153	-2.50

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	353	4.46E-05	4.86E-04	-0.298	0.0303	-185
PERM	MJ	7.10	0	0	0	0	0
PERT	MJ	361	4.46E-05	4.86E-04	-0.298	0.0303	-185
PENRE	MJ	618	0.0507	0.553	9.23	0.186	-392
PENRM	MJ	-3.83	0	0	-9.23	0	-154
PENRT	MJ	615	0.0507	0.553	0	0.186	-546
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.935	1.16E-07	1.27E-06	0	4.70E-05	-0.374

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.56E-07	3.15E-14	3.43E-13	0	4.04E-12	6.09E-08
NHWD	kg	3.28	5.73E-07	6.25E-06	0	0.930	-9.35
RWD	kg	0.00378	1.57E-09	1.71E-08	0	2.13E-06	-0.0420
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	5.27	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	37.0	0.00374	0.0403	0	0.0138	-40.2
GWP-GHG	kg CO ₂ -eq.	37.1	0.00374	0.0403	0	0.0138	-40.3
PM	Disease incidences	2.68E-06	2.04E-10	7.88E-10	0	1.22E-09	-1.51E-06
IRP	kBq U235 eq.	0.587	1.60E-07	1.74E-06	0	2.46E-04	-9.33
ETP-fw	CTUe	417	0.0119	0.130	0	0.135	-141
HTPc	CTUh	1.65E-08	1.97E-13	2.16E-12	0	1.56E-11	-1.70E-08
HTPnc	CTUh	1.70E-07	4.33E-12	4.67E-11	0	1.65E-09	-3.52E-07
SQP	Pt	86.2	4.36E-05	4.76E-04	0	0.0452	-14.9

Environmental impact EN15804+A1

EN15804+A2		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	37.1	0.00373	0.0401	0	0.0139	-40.1
ODP	kg CFC11-eq.	6.87E-11	9.72E-17	1.06E-15	0	4.18E-14	-3.85E-11
AP	kg SO ₂ -eq.	0.153	1.24E-05	1.66E-04	0	7.88E-05	-0.119
EP	kg PO ₄ ³⁻ -eq.	0.0150	2.95E-06	4.17E-05	0	8.94E-06	-0.00857
POCP	kg C ₂ H ₄ -eq.	0.00872	1.21E-06	-6.77E-05	0	5.93E-06	-0.00717
ADPE	kg Sb-eq.	0.00118	1.19E-11	1.30E-10	0	6.57E-10	-1.72E-06
ADPF	MJ	420	0.0506	0.552	0	0.178	-418

EPD results for 1m² of:

NC157 E70/130 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	37.8	0.00380	0.0409	0	0.0142	-41.0
GWP-fossil	kg CO ₂ -eq.	37.0	0.00380	0.0409	0	0.0140	-40.9
GWP-biogenic	kg CO ₂ -eq.	0.759	1.87E-07	2.04E-06	0	1.80E-04	-0.0723
GWP-luluc	kg CO ₂ -eq.	0.00362	4.42E-08	4.82E-07	0	4.40E-05	-0.00374
ODP	kg CFC11-eq.	5.82E-11	8.39E-17	9.15E-16	0	3.61E-14	-3.32E-11
AP	Mole of H+ eq.	0.186	1.82E-05	2.48E-04	0	1.01E-04	-0.144
EP-freshwater	kg P eq.	4.86E-04	6.63E-10	7.23E-09	0	2.85E-08	-1.38E-05
EP-marine	kg N eq.	0.0326	8.93E-06	1.25E-04	0	2.60E-05	-0.0244
EP-terrestrial	Mole of N eq.	0.357	9.78E-05	0.00138	0	2.86E-04	-0.266
POCP	kg NMVOC eq.	0.0900	2.49E-05	2.41E-04	0	7.84E-05	-0.0725
ADP-minerals&metals	kg Sb-eq.	0.00117	1.21E-11	1.32E-10	0	6.56E-10	-1.44E-06
ADP-fossil	MJ	436	0.0515	0.562	0	0.189	-553
WDP	m ³ world equiv.	-12.6	6.30E-06	6.87E-05	0	0.00156	-2.54

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	356	4.53E-05	4.94E-04	-0.302	0.0308	-188
PERM	MJ	7.21	0	0	0	0	0
PERT	MJ	364	4.53E-05	4.94E-04	-0.302	0.0308	-188
PENRE	MJ	625	0.0515	0.562	9.37	0.189	-398
PENRM	MJ	-3.89	0	0	-9.37	0	-156
PENRT	MJ	621	0.0515	0.562	0	0.189	-554
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.945	1.18E-07	1.29E-06	0	4.77E-05	-0.380

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.54E-07	3.19E-14	3.48E-13	0	4.11E-12	6.18E-08
NHWD	kg	3.28	5.82E-07	6.35E-06	0	0.944	-9.49
RWD	kg	0.00383	1.59E-09	1.73E-08	0	2.16E-06	-0.0426
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	5.35	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	37.3	0.00380	0.0409	0	0.0140	-40.8
GWP-GHG	kg CO ₂ -eq.	37.4	0.00380	0.0409	0	0.0141	-41.0
PM	Disease incidences	2.72E-06	2.08E-10	8.00E-10	0	1.24E-09	-1.53E-06
IRP	kBq U235 eq.	0.595	1.62E-07	1.77E-06	0	2.50E-04	-9.47
ETP-fw	CTUe	419	0.0121	0.132	0	0.137	-143
HTPc	CTUh	1.66E-08	2.00E-13	2.20E-12	0	1.59E-11	-1.72E-08
HTPnc	CTUh	1.72E-07	4.39E-12	4.74E-11	0	1.67E-09	-3.58E-07
SQP	Pt	87.1	4.43E-05	4.83E-04	0	0.0459	-15.1

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	37.4	0.00379	0.0408	0	0.0141	-40.7
ODP	kg CFC11-eq.	6.93E-11	9.87E-17	1.08E-15	0	4.25E-14	-3.91E-11
AP	kg SO ₂ -eq.	0.154	1.26E-05	1.68E-04	0	8.00E-05	-0.121
EP	kg PO ₄ ³⁻ -eq.	0.0151	2.99E-06	4.23E-05	0	9.08E-06	-0.00870
POCP	kg C ₂ H ₄ -eq.	0.00880	1.23E-06	-6.87E-05	0	6.02E-06	-0.00728
ADPE	kg Sb-eq.	0.00117	1.21E-11	1.32E-10	0	6.67E-10	-1.75E-06
ADPF	MJ	423	0.0514	0.561	0	0.181	-424

EPD results for 1m² of:

NC154 E100 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	37.9	0.00380	0.0409	0	0.0142	-41.1
GWP-fossil	kg CO ₂ -eq.	37.1	0.00380	0.0409	0	0.0140	-41.0
GWP-biogenic	kg CO ₂ -eq.	0.762	1.87E-07	2.05E-06	0	1.81E-04	-0.0724
GWP-luluc	kg CO ₂ -eq.	0.00363	4.43E-08	4.83E-07	0	4.41E-05	-0.00375
ODP	kg CFC11-eq.	5.84E-11	8.40E-17	9.17E-16	0	3.61E-14	-3.33E-11
AP	Mole of H+ eq.	0.186	1.83E-05	2.49E-04	0	1.01E-04	-0.144
EP-freshwater	kg P eq.	4.89E-04	6.64E-10	7.25E-09	0	2.86E-08	-1.38E-05
EP-marine	kg N eq.	0.0327	8.94E-06	1.26E-04	0	2.60E-05	-0.0244
EP-terrestrial	Mole of N eq.	0.358	9.80E-05	0.00138	0	2.86E-04	-0.266
POCP	kg NMVOC eq.	0.0903	2.50E-05	2.41E-04	0	7.85E-05	-0.0727
ADP-minerals&metals	kg Sb-eq.	0.00118	1.21E-11	1.32E-10	0	6.57E-10	-1.44E-06
ADP-fossil	MJ	437	0.0516	0.563	0	0.189	-554
WDP	m ³ world equiv.	-12.7	6.31E-06	6.88E-05	0	0.00156	-2.54

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	357	4.53E-05	4.95E-04	-0.303	0.0308	-188
PERM	MJ	7.22	0	0	0	0	0
PERT	MJ	365	4.53E-05	4.95E-04	-0.303	0.0308	-188
PENRE	MJ	626	0.0516	0.563	9.38	0.189	-399
PENRM	MJ	-3.90	0	0	-9.38	0	-157
PENRT	MJ	622	0.0516	0.563	0	0.189	-555
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.947	1.18E-07	1.29E-06	0	4.78E-05	-0.381

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.57E-07	3.20E-14	3.49E-13	0	4.11E-12	6.19E-08
NHWD	kg	3.29	5.83E-07	6.36E-06	0	0.946	-9.51
RWD	kg	0.00384	1.59E-09	1.74E-08	0	2.16E-06	-0.0427
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	5.36	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	37.4	0.00380	0.0409	0	0.0140	-40.9
GWP-GHG	kg CO ₂ -eq.	37.5	0.00380	0.0409	0	0.0141	-41.0
PM	Disease incidences	2.72E-06	2.08E-10	8.01E-10	0	1.24E-09	-1.53E-06
IRP	kBq U235 eq.	0.596	1.62E-07	1.77E-06	0	2.50E-04	-9.48
ETP-fw	CTUe	421	0.0121	0.132	0	0.137	-144
HTPc	CTUh	1.67E-08	2.00E-13	2.20E-12	0	1.59E-11	-1.73E-08
HTPnc	CTUh	1.72E-07	4.40E-12	4.75E-11	0	1.68E-09	-3.58E-07
SQP	Pt	87.3	4.44E-05	4.84E-04	0	0.0459	-15.1

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	37.5	0.00379	0.0408	0	0.0141	-40.8
ODP	kg CFC11-eq.	6.95E-11	9.89E-17	1.08E-15	0	4.26E-14	-3.92E-11
AP	kg SO ₂ -eq.	0.154	1.26E-05	1.68E-04	0	8.01E-05	-0.121
EP	kg PO ₄ ³⁻ -eq.	0.0151	3.00E-06	4.24E-05	0	9.09E-06	-0.00871
POCP	kg C ₂ H ₄ -eq.	0.00882	1.23E-06	-6.88E-05	0	6.03E-06	-0.00729
ADPE	kg Sb-eq.	0.00118	1.21E-11	1.32E-10	0	6.68E-10	-1.75E-06
ADPF	MJ	425	0.0515	0.562	0	0.181	-425

EPD results for 1m² of:

NC158 Mono-100 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	39.7	0.00393	0.0423	0	0.0147	-42.4
GWP-fossil	kg CO ₂ -eq.	38.9	0.00393	0.0423	0	0.0145	-42.4
GWP-biogenic	kg CO ₂ -eq.	0.817	1.94E-07	2.11E-06	0	1.87E-04	-0.0748
GWP-luluc	kg CO ₂ -eq.	0.00383	4.57E-08	4.99E-07	0	4.56E-05	-0.00387
ODP	kg CFC11-eq.	6.15E-11	8.68E-17	9.47E-16	0	3.73E-14	-3.44E-11
AP	Mole of H+ eq.	0.195	1.89E-05	2.57E-04	0	1.04E-04	-0.149
EP-freshwater	kg P eq.	5.31E-04	6.86E-10	7.49E-09	0	2.95E-08	-1.42E-05
EP-marine	kg N eq.	0.0345	9.24E-06	1.30E-04	0	2.69E-05	-0.0253
EP-terrestrial	Mole of N eq.	0.377	1.01E-04	0.00143	0	2.96E-04	-0.275
POCP	kg NMVOC eq.	0.0949	2.58E-05	2.49E-04	0	8.11E-05	-0.0751
ADP-minerals&metals	kg Sb-eq.	0.00128	1.25E-11	1.37E-10	0	6.78E-10	-1.49E-06
ADP-fossil	MJ	460	0.0533	0.582	0	0.195	-573
WDP	m ³ world equiv.	-14.2	6.52E-06	7.11E-05	0	0.00161	-2.63

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	376	4.68E-05	5.11E-04	-0.313	0.0319	-194
PERM	MJ	7.46	0	0	0	0	0
PERT	MJ	383	4.68E-05	5.11E-04	-0.313	0.0319	-194
PENRE	MJ	655	0.0533	0.582	9.70	0.196	-412
PENRM	MJ	-4.03	0	0	-9.70	0	-162
PENRT	MJ	651	0.0533	0.582	0	0.196	-574
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.992	1.22E-07	1.33E-06	0	4.94E-05	-0.393

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	7.09E-07	3.31E-14	3.61E-13	0	4.25E-12	6.40E-08
NHWD	kg	3.54	6.02E-07	6.57E-06	0	0.977	-9.83
RWD	kg	0.00399	1.64E-09	1.79E-08	0	2.24E-06	-0.0441
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	5.53	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	39.3	0.00393	0.0423	0	0.0145	-42.2
GWP-GHG	kg CO ₂ -eq.	39.4	0.00393	0.0423	0	0.0145	-42.4
PM	Disease incidences	2.83E-06	2.15E-10	8.28E-10	0	1.28E-09	-1.59E-06
IRP	kBq U235 eq.	0.618	1.68E-07	1.83E-06	0	2.59E-04	-9.80
ETP-fw	CTUe	447	0.0125	0.136	0	0.142	-148
HTPc	CTUh	1.74E-08	2.07E-13	2.27E-12	0	1.64E-11	-1.78E-08
HTPnc	CTUh	1.80E-07	4.55E-12	4.90E-11	0	1.73E-09	-3.70E-07
SQP	Pt	91.4	4.58E-05	5.00E-04	0	0.0475	-15.6

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	39.4	0.00392	0.0422	0	0.0146	-42.1
ODP	kg CFC11-eq.	7.32E-11	1.02E-16	1.12E-15	0	4.40E-14	-4.05E-11
AP	kg SO ₂ -eq.	0.162	1.31E-05	1.74E-04	0	8.28E-05	-0.125
EP	kg PO ₄ ³⁻ -eq.	0.0160	3.10E-06	4.38E-05	0	9.40E-06	-0.00900
POCP	kg C ₂ H ₄ -eq.	0.00926	1.27E-06	-7.11E-05	0	6.23E-06	-0.00753
ADPE	kg Sb-eq.	0.00128	1.25E-11	1.37E-10	0	6.90E-10	-1.81E-06
ADPF	MJ	447	0.0532	0.580	0	0.187	-439

EPD results for 1m² of:

NC159 N200 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	39.9	0.00415	0.0446	0	0.0155	-44.8
GWP-fossil	kg CO ₂ -eq.	39.2	0.00415	0.0446	0	0.0153	-44.7
GWP-biogenic	kg CO ₂ -eq.	0.768	2.04E-07	2.23E-06	0	1.97E-04	-0.0789
GWP-luluc	kg CO ₂ -eq.	0.00380	4.83E-08	5.27E-07	0	4.81E-05	-0.00409
ODP	kg CFC11-eq.	6.12E-11	9.16E-17	9.99E-16	0	3.94E-14	-3.63E-11
AP	Mole of H+ eq.	0.197	1.99E-05	2.71E-04	0	1.10E-04	-0.157
EP-freshwater	kg P eq.	4.78E-04	7.24E-10	7.90E-09	0	3.12E-08	-1.50E-05
EP-marine	kg N eq.	0.0342	9.75E-06	1.37E-04	0	2.84E-05	-0.0267
EP-terrestrial	Mole of N eq.	0.376	1.07E-04	0.00151	0	3.12E-04	-0.290
POCP	kg NMVOC eq.	0.0950	2.72E-05	2.63E-04	0	8.56E-05	-0.0792
ADP-minerals&metals	kg Sb-eq.	0.00115	1.32E-11	1.44E-10	0	7.16E-10	-1.57E-06
ADP-fossil	MJ	460	0.0562	0.614	0	0.206	-604
WDP	m ³ world equiv.	-11.5	6.88E-06	7.50E-05	0	0.00170	-2.77

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	376	4.94E-05	5.39E-04	-0.330	0.0336	-205
PERM	MJ	7.87	0	0	0	0	0
PERT	MJ	384	4.94E-05	5.39E-04	-0.330	0.0336	-205
PENRE	MJ	666	0.0562	0.614	10.2	0.206	-435
PENRM	MJ	-4.25	0	0	-10.2	0	-171
PENRT	MJ	662	0.0562	0.614	0	0.206	-605
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	1.00	1.29E-07	1.41E-06	0	5.21E-05	-0.415

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.54E-07	3.49E-14	3.81E-13	0	4.49E-12	6.75E-08
NHWD	kg	3.31	6.35E-07	6.93E-06	0	1.03	-10.4
RWD	kg	0.00414	1.74E-09	1.89E-08	0	2.36E-06	-0.0465
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	5.84	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

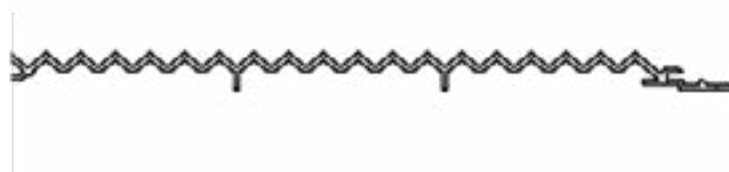
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	39.5	0.00415	0.0446	0	0.0153	-44.6
GWP-GHG	kg CO ₂ -eq.	39.6	0.00415	0.0446	0	0.0154	-44.7
PM	Disease incidences	2.92E-06	2.27E-10	8.74E-10	0	1.35E-09	-1.67E-06
IRP	kBq U235 eq.	0.644	1.77E-07	1.93E-06	0	2.73E-04	-10.3
ETP-fw	CTUe	433	0.0132	0.144	0	0.149	-157
HTPc	CTUh	1.78E-08	2.18E-13	2.40E-12	0	1.73E-11	-1.88E-08
HTPnc	CTUh	1.83E-07	4.80E-12	5.18E-11	0	1.83E-09	-3.90E-07
SQP	Pt	92.8	4.84E-05	5.28E-04	0	0.0501	-16.5

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	39.6	0.00413	0.0445	0	0.0154	-44.5
ODP	kg CFC11-eq.	7.28E-11	1.08E-16	1.18E-15	0	4.64E-14	-4.27E-11
AP	kg SO ₂ -eq.	0.164	1.38E-05	1.84E-04	0	8.73E-05	-0.132
EP	kg PO ₄ ³⁻ -eq.	0.0156	3.27E-06	4.62E-05	0	9.92E-06	-0.00950
POCP	kg C ₂ H ₄ -eq.	0.00932	1.34E-06	-7.51E-05	0	6.58E-06	-0.00795
ADPE	kg Sb-eq.	0.00115	1.32E-11	1.44E-10	0	7.29E-10	-1.91E-06
ADPF	MJ	446	0.0561	0.612	0	0.198	-464

EPD results for 1m² of:

NC155 ZZ200 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	41.0	0.00411	0.0442	0	0.0154	-44.4
GWP-fossil	kg CO ₂ -eq.	40.2	0.00411	0.0442	0	0.0151	-44.3
GWP-biogenic	kg CO ₂ -eq.	0.829	2.03E-07	2.21E-06	0	1.95E-04	-0.0782
GWP-luluc	kg CO ₂ -eq.	0.00394	4.78E-08	5.22E-07	0	4.76E-05	-0.00405
ODP	kg CFC11-eq.	6.33E-11	9.07E-17	9.90E-16	0	3.90E-14	-3.59E-11
AP	Mole of H+ eq.	0.202	1.97E-05	2.69E-04	0	1.09E-04	-0.156
EP-freshwater	kg P eq.	5.33E-04	7.17E-10	7.83E-09	0	3.09E-08	-1.49E-05
EP-marine	kg N eq.	0.0355	9.66E-06	1.36E-04	0	2.81E-05	-0.0264
EP-terrestrial	Mole of N eq.	0.388	1.06E-04	0.00150	0	3.09E-04	-0.288
POCP	kg NMVOC eq.	0.0979	2.70E-05	2.60E-04	0	8.48E-05	-0.0785
ADP-minerals&metals	kg Sb-eq.	0.00128	1.31E-11	1.43E-10	0	7.09E-10	-1.55E-06
ADP-fossil	MJ	474	0.0557	0.608	0	0.204	-599
WDP	m ³ world equiv.	-13.9	6.81E-06	7.43E-05	0	0.00168	-2.75

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	387	4.90E-05	5.34E-04	-0.327	0.0333	-203
PERM	MJ	7.80	0	0	0	0	0
PERT	MJ	395	4.90E-05	5.34E-04	-0.327	0.0333	-203
PENRE	MJ	678	0.0557	0.608	10.1	0.204	-430
PENRM	MJ	-4.21	0	0	-10.1	0	-169
PENRT	MJ	674	0.0557	0.608	0	0.204	-600
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	1.03	1.28E-07	1.39E-06	0	5.16E-05	-0.411

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	7.16E-07	3.46E-14	3.77E-13	0	4.44E-12	6.69E-08
NHWD	kg	3.58	6.29E-07	6.87E-06	0	1.02	-10.3
RWD	kg	0.00415	1.72E-09	1.88E-08	0	2.34E-06	-0.0461
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	5.78	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	40.5	0.00411	0.0442	0	0.0152	-44.1
GWP-GHG	kg CO ₂ -eq.	40.6	0.00411	0.0442	0	0.0152	-44.3
PM	Disease incidences	2.94E-06	2.25E-10	8.66E-10	0	1.34E-09	-1.66E-06
IRP	kBq U235 eq.	0.644	1.75E-07	1.91E-06	0	2.70E-04	-10.2
ETP-fw	CTUe	457	0.0131	0.143	0	0.148	-155
HTPc	CTUh	1.81E-08	2.16E-13	2.38E-12	0	1.71E-11	-1.86E-08
HTPnc	CTUh	1.86E-07	4.75E-12	5.13E-11	0	1.81E-09	-3.87E-07
SQP	Pt	94.6	4.79E-05	5.23E-04	0	0.0496	-16.3

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	40.7	0.00410	0.0441	0	0.0152	-44.0
ODP	kg CFC11-eq.	7.53E-11	1.07E-16	1.17E-15	0	4.60E-14	-4.23E-11
AP	kg SO ₂ -eq.	0.167	1.37E-05	1.82E-04	0	8.65E-05	-0.130
EP	kg PO ₄ ³⁻ -eq.	0.0164	3.24E-06	4.58E-05	0	9.82E-06	-0.00941
POCP	kg C ₂ H ₄ -eq.	0.00956	1.33E-06	-7.43E-05	0	6.52E-06	-0.00787
ADPE	kg Sb-eq.	0.00129	1.31E-11	1.43E-10	0	7.22E-10	-1.89E-06
ADPF	MJ	460	0.0556	0.607	0	0.196	-459

EPD results for 1m² of:

NC153 SS200 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	45.7	0.00481	0.0518	0	0.0180	-52.0
GWP-fossil	kg CO ₂ -eq.	44.9	0.00481	0.0518	0	0.0177	-51.9
GWP-biogenic	kg CO ₂ -eq.	0.863	2.37E-07	2.59E-06	0	2.29E-04	-0.0916
GWP-luluc	kg CO ₂ -eq.	0.00433	5.60E-08	6.11E-07	0	5.58E-05	-0.00474
ODP	kg CFC11-eq.	6.99E-11	1.06E-16	1.16E-15	0	4.57E-14	-4.21E-11
AP	Mole of H+ eq.	0.226	2.31E-05	3.15E-04	0	1.27E-04	-0.182
EP-freshwater	kg P eq.	5.30E-04	8.40E-10	9.17E-09	0	3.62E-08	-1.74E-05
EP-marine	kg N eq.	0.0391	1.13E-05	1.59E-04	0	3.29E-05	-0.0309
EP-terrestrial	Mole of N eq.	0.429	1.24E-04	0.00175	0	3.62E-04	-0.337
POCP	kg NMVOC eq.	0.109	3.16E-05	3.05E-04	0	9.93E-05	-0.0919
ADP-minerals&metals	kg Sb-eq.	0.00128	1.54E-11	1.68E-10	0	8.31E-10	-1.82E-06
ADP-fossil	MJ	526	0.0652	0.712	0	0.239	-701
WDP	m ³ world equiv.	-12.3	7.98E-06	8.70E-05	0	0.00197	-3.22

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	430	5.73E-05	6.26E-04	-0.383	0.0390	-238
PERM	MJ	9.13	0	0	0	0	0
PERT	MJ	439	5.73E-05	6.26E-04	-0.383	0.0390	-238
PENRE	MJ	766	0.0652	0.712	11.9	0.239	-504
PENRM	MJ	-4.93	0	0	-11.9	0	-198
PENRT	MJ	761	0.0652	0.712	0	0.239	-702
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	1.15	1.50E-07	1.63E-06	0	6.04E-05	-0.482

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	7.30E-07	4.05E-14	4.42E-13	0	5.20E-12	7.84E-08
NHWD	kg	3.72	7.37E-07	8.04E-06	0	1.20	-12.0
RWD	kg	0.00478	2.01E-09	2.20E-08	0	2.74E-06	-0.0540
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	6.77	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	45.2	0.00481	0.0518	0	0.0178	-51.7
GWP-GHG	kg CO ₂ -eq.	45.4	0.00481	0.0518	0	0.0178	-51.9
PM	Disease incidences	3.37E-06	2.63E-10	1.01E-09	0	1.57E-09	-1.94E-06
IRP	kBq U235 eq.	0.745	2.05E-07	2.24E-06	0	3.17E-04	-12.0
ETP-fw	CTUe	491	0.0153	0.167	0	0.173	-182
HTPc	CTUh	2.05E-08	2.53E-13	2.78E-12	0	2.01E-11	-2.18E-08
HTPnc	CTUh	2.10E-07	5.57E-12	6.00E-11	0	2.12E-09	-4.53E-07
SQP	Pt	107	5.61E-05	6.12E-04	0	0.0581	-19.1

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	45.4	0.00480	0.0516	0	0.0178	-51.6
ODP	kg CFC11-eq.	8.32E-11	1.25E-16	1.37E-15	0	5.38E-14	-4.96E-11
AP	kg SO ₂ -eq.	0.188	1.60E-05	2.13E-04	0	1.01E-04	-0.153
EP	kg PO ₄ ³⁻ -eq.	0.0177	3.79E-06	5.36E-05	0	1.15E-05	-0.0110
POCP	kg C ₂ H ₄ -eq.	0.0107	1.56E-06	-8.71E-05	0	7.63E-06	-0.00922
ADPE	kg Sb-eq.	0.00128	1.54E-11	1.68E-10	0	8.45E-10	-2.21E-06
ADPF	MJ	510	0.0651	0.711	0	0.229	-538

EPD results for 1m² of:

NC161 Barcode Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	47.4	0.00489	0.0526	0	0.0183	-52.8
GWP-fossil	kg CO ₂ -eq.	46.5	0.00489	0.0526	0	0.0180	-52.7
GWP-biogenic	kg CO ₂ -eq.	0.919	2.41E-07	2.63E-06	0	2.32E-04	-0.0931
GWP-luluc	kg CO ₂ -eq.	0.00451	5.69E-08	6.21E-07	0	5.67E-05	-0.00482
ODP	kg CFC11-eq.	7.26E-11	1.08E-16	1.18E-15	0	4.65E-14	-4.28E-11
AP	Mole of H+ eq.	0.233	2.35E-05	3.20E-04	0	1.29E-04	-0.185
EP-freshwater	kg P eq.	5.75E-04	8.54E-10	9.32E-09	0	3.68E-08	-1.77E-05
EP-marine	kg N eq.	0.0407	1.15E-05	1.62E-04	0	3.35E-05	-0.0314
EP-terrestrial	Mole of N eq.	0.446	1.26E-04	0.00178	0	3.68E-04	-0.342
POCP	kg NMVOC eq.	0.113	3.21E-05	3.10E-04	0	1.01E-04	-0.0934
ADP-minerals&metals	kg Sb-eq.	0.00138	1.56E-11	1.70E-10	0	8.44E-10	-1.85E-06
ADP-fossil	MJ	546	0.0663	0.724	0	0.243	-713
WDP	m ³ world equiv.	-14.0	8.11E-06	8.85E-05	0	0.00200	-3.27

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	446	5.83E-05	6.36E-04	-0.389	0.0396	-242
PERM	MJ	9.28	0	0	0	0	0
PERT	MJ	456	5.83E-05	6.36E-04	-0.389	0.0396	-242
PENRE	MJ	790	0.0663	0.724	12.1	0.243	-512
PENRM	MJ	-5.01	0	0	-12.1	0	-201
PENRT	MJ	785	0.0663	0.724	0	0.243	-714
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	1.19	1.52E-07	1.66E-06	0	6.14E-05	-0.489

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	7.84E-07	4.11E-14	4.49E-13	0	5.29E-12	7.96E-08
NHWD	kg	3.96	7.49E-07	8.17E-06	0	1.22	-12.2
RWD	kg	0.00489	2.05E-09	2.23E-08	0	2.78E-06	-0.0549
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	6.89	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	46.8	0.00489	0.0526	0	0.0180	-52.5
GWP-GHG	kg CO ₂ -eq.	47.0	0.00489	0.0526	0	0.0181	-52.8
PM	Disease incidences	3.46E-06	2.67E-10	1.03E-09	0	1.59E-09	-1.97E-06
IRP	kBq U235 eq.	0.761	2.09E-07	2.28E-06	0	3.22E-04	-12.2
ETP-fw	CTUe	516	0.0155	0.170	0	0.176	-185
HTPc	CTUh	2.11E-08	2.58E-13	2.83E-12	0	2.04E-11	-2.22E-08
HTPnc	CTUh	2.17E-07	5.66E-12	6.10E-11	0	2.16E-09	-4.60E-07
SQP	Pt	110	5.70E-05	6.22E-04	0	0.0590	-19.4

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	47.0	0.00487	0.0525	0	0.0181	-52.4
ODP	kg CFC11-eq.	8.65E-11	1.27E-16	1.39E-15	0	5.47E-14	-5.04E-11
AP	kg SO ₂ -eq.	0.194	1.63E-05	2.17E-04	0	1.03E-04	-0.155
EP	kg PO ₄ ³⁻ -eq.	0.0186	3.85E-06	5.45E-05	0	1.17E-05	-0.0112
POCP	kg C ₂ H ₄ -eq.	0.0111	1.58E-06	-8.85E-05	0	7.76E-06	-0.00937
ADPE	kg Sb-eq.	0.00139	1.56E-11	1.70E-10	0	8.59E-10	-2.25E-06
ADPF	MJ	529	0.0662	0.722	0	0.233	-546

EPD results for 1m² of:

NC160 Mono-400 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	52.5	0.00618	0.0665	0	0.0231	-66.7
GWP-fossil	kg CO ₂ -eq.	51.7	0.00618	0.0665	0	0.0227	-66.6
GWP-biogenic	kg CO ₂ -eq.	0.812	3.05E-07	3.33E-06	0	2.94E-04	-0.118
GWP-luluc	kg CO ₂ -eq.	0.00480	7.19E-08	7.85E-07	0	7.17E-05	-0.00609
ODP	kg CFC11-eq.	7.81E-11	1.37E-16	1.49E-15	0	5.87E-14	-5.41E-11
AP	Mole of H+ eq.	0.262	2.97E-05	4.04E-04	0	1.64E-04	-0.234
EP-freshwater	kg P eq.	4.22E-04	1.08E-09	1.18E-08	0	4.65E-08	-2.24E-05
EP-marine	kg N eq.	0.0434	1.45E-05	2.04E-04	0	4.23E-05	-0.0397
EP-terrestrial	Mole of N eq.	0.481	1.59E-04	0.00225	0	4.65E-04	-0.433
POCP	kg NMVOC eq.	0.123	4.06E-05	3.92E-04	0	1.28E-04	-0.118
ADP-minerals&metals	kg Sb-eq.	0.00101	1.97E-11	2.15E-10	0	1.07E-09	-2.34E-06
ADP-fossil	MJ	595	0.0838	0.915	0	0.307	-901
WDP	m ³ world equiv.	-4.79	1.03E-05	1.12E-04	0	0.00253	-4.13

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	489	7.37E-05	8.04E-04	-0.492	0.0501	-306
PERM	MJ	11.7	0	0	0	0	0
PERT	MJ	501	7.37E-05	8.04E-04	-0.492	0.0501	-306
PENRE	MJ	904	0.0838	0.915	15.3	0.308	-648
PENRM	MJ	-6.34	0	0	-15.3	0	-255
PENRT	MJ	897	0.0838	0.915	0	0.308	-902
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	1.35	1.92E-07	2.10E-06	0	7.77E-05	-0.619

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.42E-07	5.20E-14	5.67E-13	0	6.69E-12	1.01E-07
NHWD	kg	3.45	9.47E-07	1.03E-05	0	1.54	-15.5
RWD	kg	0.00593	2.59E-09	2.82E-08	0	3.52E-06	-0.0693
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	8.70	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	51.9	0.00618	0.0665	0	0.0228	-66.4
GWP-GHG	kg CO ₂ -eq.	52.1	0.00618	0.0666	0	0.0229	-66.7
PM	Disease incidences	4.12E-06	3.38E-10	1.30E-09	0	2.01E-09	-2.49E-06
IRP	kBq U235 eq.	0.930	2.64E-07	2.88E-06	0	4.07E-04	-15.4
ETP-fw	CTUe	511	0.0197	0.214	0	0.223	-233
HTPc	CTUh	2.45E-08	3.26E-13	3.58E-12	0	2.58E-11	-2.80E-08
HTPnc	CTUh	2.46E-07	7.15E-12	7.71E-11	0	2.72E-09	-5.82E-07
SQP	Pt	125	7.21E-05	7.87E-04	0	0.0746	-24.5

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	52.1	0.00616	0.0663	0	0.0229	-66.3
ODP	kg CFC11-eq.	9.32E-11	1.61E-16	1.75E-15	0	6.92E-14	-6.37E-11
AP	kg SO ₂ -eq.	0.218	2.05E-05	2.74E-04	0	1.30E-04	-0.196
EP	kg PO ₄ ³⁻ -eq.	0.0184	4.87E-06	6.89E-05	0	1.48E-05	-0.0142
POCP	kg C ₂ H ₄ -eq.	0.0123	2.00E-06	-1.12E-04	0	9.81E-06	-0.0118
ADPE	kg Sb-eq.	0.00101	1.97E-11	2.15E-10	0	1.09E-09	-2.84E-06
ADPF	MJ	575	0.0837	0.913	0	0.295	-691

EPD results for 1m² of:

NC131 Aero-70 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	34.4	0.00331	0.0356	0	0.0124	-35.7
GWP-fossil	kg CO ₂ -eq.	33.7	0.00331	0.0356	0	0.0122	-35.6
GWP-biogenic	kg CO ₂ -eq.	0.734	1.63E-07	1.78E-06	0	1.57E-04	-0.0629
GWP-luluc	kg CO ₂ -eq.	0.00335	3.85E-08	4.20E-07	0	3.84E-05	-0.00326
ODP	kg CFC11-eq.	5.35E-11	7.30E-17	7.97E-16	0	3.14E-14	-2.89E-11
AP	Mole of H+ eq.	0.169	1.59E-05	2.16E-04	0	8.76E-05	-0.125
EP-freshwater	kg P eq.	4.87E-04	5.77E-10	6.30E-09	0	2.49E-08	-1.20E-05
EP-marine	kg N eq.	0.0301	7.78E-06	1.09E-04	0	2.26E-05	-0.0213
EP-terrestrial	Mole of N eq.	0.328	8.52E-05	0.00120	0	2.49E-04	-0.231
POCP	kg NMVOC eq.	0.0824	2.17E-05	2.10E-04	0	6.83E-05	-0.0632
ADP-minerals&metals	kg Sb-eq.	0.00117	1.06E-11	1.15E-10	0	5.71E-10	-1.25E-06
ADP-fossil	MJ	400	0.0449	0.489	0	0.164	-482
WDP	m ³ world equiv.	-13.6	5.48E-06	5.98E-05	0	0.00136	-2.21

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	326	3.94E-05	4.30E-04	-0.263	0.0268	-164
PERM	MJ	6.29	0	0	0	0	0
PERT	MJ	332	3.94E-05	4.30E-04	-0.263	0.0268	-164
PENRE	MJ	564	0.0449	0.489	8.16	0.165	-347
PENRM	MJ	-3.39	0	0	-8.16	0	-136
PENRT	MJ	560	0.0449	0.489	0	0.165	-483
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.855	1.03E-07	1.12E-06	0	4.16E-05	-0.331

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.43E-07	2.78E-14	3.04E-13	0	3.58E-12	5.39E-08
NHWD	kg	3.18	5.07E-07	5.53E-06	0	0.823	-8.27
RWD	kg	0.00339	1.38E-09	1.51E-08	0	1.88E-06	-0.0371
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	4.66	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	34.0	0.00331	0.0356	0	0.0122	-35.5
GWP-GHG	kg CO ₂ -eq.	34.1	0.00331	0.0356	0	0.0122	-35.7
PM	Disease incidences	2.42E-06	1.81E-10	6.97E-10	0	1.08E-09	-1.33E-06
IRP	kBq U235 eq.	0.524	1.41E-07	1.54E-06	0	2.18E-04	-8.25
ETP-fw	CTUe	395	0.0105	0.115	0	0.119	-125
HTPc	CTUh	1.49E-08	1.74E-13	1.91E-12	0	1.38E-11	-1.50E-08
HTPnc	CTUh	1.55E-07	3.83E-12	4.13E-11	0	1.46E-09	-3.11E-07
SQP	Pt	78.7	3.86E-05	4.21E-04	0	0.0399	-13.1

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	34.1	0.00330	0.0355	0	0.0122	-35.5
ODP	kg CFC11-eq.	6.37E-11	8.60E-17	9.38E-16	0	3.70E-14	-3.41E-11
AP	kg SO ₂ -eq.	0.140	1.10E-05	1.46E-04	0	6.97E-05	-0.105
EP	kg PO ₄ ³⁻ -eq.	0.0142	2.60E-06	3.69E-05	0	7.91E-06	-0.00758
POCP	kg C ₂ H ₄ -eq.	0.00800	1.07E-06	-5.99E-05	0	5.25E-06	-0.00634
ADPE	kg Sb-eq.	0.00118	1.06E-11	1.15E-10	0	5.81E-10	-1.52E-06
ADPF	MJ	388	0.0448	0.488	0	0.158	-370

EPD results for 1m² of:

NC149 Ripple-200 Board - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	33.5	0.00323	0.0348	0	0.0121	-34.9
GWP-fossil	kg CO ₂ -eq.	32.8	0.00323	0.0348	0	0.0119	-34.8
GWP-biogenic	kg CO ₂ -eq.	0.712	1.59E-07	1.74E-06	0	1.53E-04	-0.0615
GWP-luluc	kg CO ₂ -eq.	0.00326	3.76E-08	4.10E-07	0	3.75E-05	-0.00318
ODP	kg CFC11-eq.	5.21E-11	7.13E-17	7.78E-16	0	3.07E-14	-2.83E-11
AP	Mole of H+ eq.	0.164	1.55E-05	2.11E-04	0	8.55E-05	-0.122
EP-freshwater	kg P eq.	4.72E-04	5.64E-10	6.15E-09	0	2.43E-08	-1.17E-05
EP-marine	kg N eq.	0.0293	7.60E-06	1.07E-04	0	2.21E-05	-0.0208
EP-terrestrial	Mole of N eq.	0.320	8.32E-05	0.00118	0	2.43E-04	-0.226
POCP	kg NMVOC eq.	0.0803	2.12E-05	2.05E-04	0	6.67E-05	-0.0617
ADP-minerals&metals	kg Sb-eq.	0.00114	1.03E-11	1.12E-10	0	5.58E-10	-1.22E-06
ADP-fossil	MJ	389	0.0438	0.478	0	0.161	-471
WDP	m ³ world equiv.	-13.1	5.36E-06	5.84E-05	0	0.00132	-2.16

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	317	3.85E-05	4.20E-04	-0.257	0.0262	-160
PERM	MJ	6.14	0	0	0	0	0
PERT	MJ	324	3.85E-05	4.20E-04	-0.257	0.0262	-160
PENRE	MJ	549	0.0438	0.478	7.97	0.161	-338
PENRM	MJ	-3.31	0	0	-7.97	0	-133
PENRT	MJ	546	0.0438	0.478	0	0.161	-471
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.833	1.00E-07	1.10E-06	0	4.06E-05	-0.323

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.23E-07	2.72E-14	2.96E-13	0	3.49E-12	5.26E-08
NHWD	kg	3.09	4.95E-07	5.40E-06	0	0.803	-8.07
RWD	kg	0.00331	1.35E-09	1.47E-08	0	1.84E-06	-0.0362
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	4.55	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.776	0	0	0	0	0

Additional Indicators

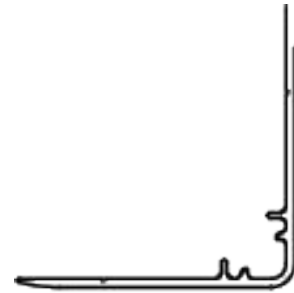
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	33.1	0.00323	0.0348	0	0.0119	-34.7
GWP-GHG	kg CO ₂ -eq.	33.2	0.00323	0.0348	0	0.0120	-34.8
PM	Disease incidences	2.36E-06	1.77E-10	6.81E-10	0	1.05E-09	-1.30E-06
IRP	kBq U235 eq.	0.512	1.38E-07	1.50E-06	0	2.13E-04	-8.05
ETP-fw	CTUe	384	0.0103	0.112	0	0.116	-122
HTPc	CTUh	1.46E-08	1.70E-13	1.87E-12	0	1.35E-11	-1.47E-08
HTPnc	CTUh	1.51E-07	3.74E-12	4.03E-11	0	1.42E-09	-3.04E-07
SQP	Pt	76.7	3.77E-05	4.11E-04	0	0.0390	-12.8

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	33.2	0.00322	0.0347	0	0.0120	-34.6
ODP	kg CFC11-eq.	6.20E-11	8.40E-17	9.16E-16	0	3.61E-14	-3.33E-11
AP	kg SO ₂ -eq.	0.136	1.07E-05	1.43E-04	0	6.80E-05	-0.103
EP	kg PO ₄ ³⁻ -eq.	0.0138	2.54E-06	3.60E-05	0	7.72E-06	-0.00740
POCP	kg C ₂ H ₄ -eq.	0.00780	1.05E-06	-5.84E-05	0	5.12E-06	-0.00619
ADPE	kg Sb-eq.	0.00114	1.03E-11	1.12E-10	0	5.67E-10	-1.49E-06
ADPF	MJ	378	0.0437	0.477	0	0.154	-361

EPD results for 1LM of:

NC107X Ext'd Female Corner Ancillary - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	1.77	2.50E-04	0.00269	0	9.34E-04	-2.70
GWP-fossil	kg CO ₂ -eq.	1.76	2.50E-04	0.00269	0	9.19E-04	-2.69
GWP-biogenic	kg CO ₂ -eq.	0.0105	1.23E-08	1.34E-07	0	1.19E-05	-0.00476
GWP-luluc	kg CO ₂ -eq.	1.19E-04	2.91E-09	3.17E-08	0	2.90E-06	-2.46E-04
ODP	kg CFC11-eq.	2.57E-12	5.52E-18	6.02E-17	0	2.38E-15	-2.19E-12
AP	Mole of H+ eq.	0.00889	1.20E-06	1.63E-05	0	6.62E-06	-0.00947
EP-freshwater	kg P eq.	1.64E-06	4.36E-11	4.76E-10	0	1.88E-09	-9.05E-07
EP-marine	kg N eq.	0.00135	5.88E-07	8.26E-06	0	1.71E-06	-0.00161
EP-terrestrial	Mole of N eq.	0.0154	6.44E-06	9.10E-05	0	1.88E-05	-0.0175
POCP	kg NMVOC eq.	0.00402	1.64E-06	1.58E-05	0	5.16E-06	-0.00477
ADP-minerals&metals	kg Sb-eq.	3.15E-06	7.97E-13	8.70E-12	0	4.31E-11	-9.46E-08
ADP-fossil	MJ	19.6	0.00339	0.0370	0	0.0124	-36.4
WDP	m ³ world equiv.	0.477	4.14E-07	4.52E-06	0	1.02E-04	-0.167

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	17.9	2.98E-06	3.25E-05	-0.0199	0.00203	-12.4
PERM	MJ	0.251	0	0	0	0	0
PERT	MJ	18.1	2.98E-06	3.25E-05	-0.0199	0.00203	-12.4
PENRE	MJ	31.9	0.00339	0.0370	0.617	0.0124	-26.2
PENRM	MJ	-2.11E-05	0	0	-0.617	0	-10.3
PENRT	MJ	31.9	0.00339	0.0370	0	0.0124	-36.5
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0481	7.77E-09	8.48E-08	0	3.14E-06	-0.0250

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	7.17E-09	2.10E-15	2.29E-14	0	2.70E-13	4.07E-09
NHWD	kg	0.0706	3.83E-08	4.18E-07	0	0.0622	-0.625
RWD	kg	2.34E-04	1.05E-10	1.14E-09	0	1.42E-07	-0.00280
CRU	kg	0	0	0	0	0	0
MFR	kg	6.56E-07	0	0	0.352	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	1.75	2.50E-04	0.00269	0	9.22E-04	-2.68
GWP-GHG	kg CO ₂ -eq.	1.76	2.50E-04	0.00269	0	9.25E-04	-2.70
PM	Disease incidences	1.54E-07	1.37E-11	5.27E-11	0	8.14E-11	-1.01E-07
IRP	kBq U235 eq.	0.0371	1.07E-08	1.16E-07	0	1.64E-05	-0.623
ETP-fw	CTUe	14.8	7.95E-04	0.00867	0	0.00900	-9.43
HTPc	CTUh	8.86E-10	1.32E-14	1.45E-13	0	1.04E-12	-1.13E-09
HTPnc	CTUh	8.88E-09	2.89E-13	3.12E-12	0	1.10E-10	-2.35E-08
SQP	Pt	3.87	2.91E-06	3.18E-05	0	0.00302	-0.992

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	1.76	2.49E-04	0.00268	0	9.26E-04	-2.68
ODP	kg CFC11-eq.	3.07E-12	6.50E-18	7.09E-17	0	2.80E-15	-2.57E-12
AP	kg SO ₂ -eq.	0.00746	8.31E-07	1.11E-05	0	5.26E-06	-0.00793
EP	kg PO ₄ ³⁻ -eq.	4.94E-04	1.97E-07	2.79E-06	0	5.98E-07	-5.72E-04
POCP	kg C ₂ H ₄ -eq.	4.14E-04	8.09E-08	-4.52E-06	0	3.96E-07	-4.79E-04
ADPE	kg Sb-eq.	3.15E-06	7.98E-13	8.70E-12	0	4.39E-11	-1.15E-07
ADPF	MJ	18.8	0.00338	0.0369	0	0.0119	-27.9

EPD results for 1LM of:

NC109X Ext'd Male Corner Ancillary - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	2.06	2.91E-04	0.00313	0	0.00109	-3.14
GWP-fossil	kg CO ₂ -eq.	2.05	2.91E-04	0.00313	0	0.00107	-3.14
GWP-biogenic	kg CO ₂ -eq.	0.0123	1.43E-08	1.57E-07	0	1.38E-05	-0.00554
GWP-luluc	kg CO ₂ -eq.	1.39E-04	3.39E-09	3.69E-08	0	3.37E-06	-2.87E-04
ODP	kg CFC11-eq.	3.00E-12	6.43E-18	7.01E-17	0	2.77E-15	-2.55E-12
AP	Mole of H+ eq.	0.0104	1.40E-06	1.90E-05	0	7.70E-06	-0.0110
EP-freshwater	kg P eq.	1.93E-06	5.08E-11	5.54E-10	0	2.19E-09	-1.05E-06
EP-marine	kg N eq.	0.00158	6.84E-07	9.61E-06	0	1.99E-06	-0.00187
EP-terrestrial	Mole of N eq.	0.0180	7.50E-06	1.06E-04	0	2.19E-05	-0.0204
POCP	kg NMVOC eq.	0.00468	1.91E-06	1.84E-05	0	6.01E-06	-0.00556
ADP-minerals&metals	kg Sb-eq.	3.67E-06	9.28E-13	1.01E-11	0	5.02E-11	-1.10E-07
ADP-fossil	MJ	22.8	0.00395	0.0431	0	0.0145	-42.4
WDP	m ³ world equiv.	0.555	4.82E-07	5.26E-06	0	1.19E-04	-0.195

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	20.8	3.47E-06	3.78E-05	-0.0232	0.00236	-14.4
PERM	MJ	0.292	0	0	0	0	0
PERT	MJ	21.1	3.47E-06	3.78E-05	-0.0232	0.00236	-14.4
PENRE	MJ	37.1	0.00395	0.0431	0.718	0.0145	-30.5
PENRM	MJ	-2.45E-05	0	0	-0.718	0	-12.0
PENRT	MJ	37.1	0.00395	0.0431	0	0.0145	-42.5
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0560	9.05E-09	9.87E-08	0	3.66E-06	-0.0291

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	8.35E-09	2.45E-15	2.67E-14	0	3.15E-13	4.74E-09
NHWD	kg	0.0828	4.46E-08	4.86E-07	0	0.0724	-0.727
RWD	kg	2.73E-04	1.22E-10	1.33E-09	0	1.66E-07	-0.00326
CRU	kg	0	0	0	0	0	0
MFR	kg	7.64E-07	0	0	0.410	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	2.04	2.91E-04	0.00313	0	0.00107	-3.13
GWP-GHG	kg CO ₂ -eq.	2.05	2.91E-04	0.00313	0	0.00108	-3.14
PM	Disease incidences	1.79E-07	1.59E-11	6.13E-11	0	9.47E-11	-1.17E-07
IRP	kBq U235 eq.	0.0433	1.24E-08	1.35E-07	0	1.92E-05	-0.726
ETP-fw	CTUe	17.2	9.25E-04	0.0101	0	0.0105	-11.0
HTPc	CTUh	1.03E-09	1.53E-14	1.68E-13	0	1.21E-12	-1.32E-09
HTPnc	CTUh	1.04E-08	3.37E-13	3.63E-12	0	1.28E-10	-2.74E-08
SQP	Pt	4.52	3.39E-06	3.70E-05	0	0.00351	-1.16

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	2.05	2.90E-04	0.00312	0	0.00108	-3.12
ODP	kg CFC11-eq.	3.58E-12	7.57E-18	8.26E-17	0	3.26E-15	-3.00E-12
AP	kg SO ₂ -eq.	0.00869	9.67E-07	1.29E-05	0	6.13E-06	-0.00924
EP	kg PO ₄ ³⁻ -eq.	5.75E-04	2.29E-07	3.24E-06	0	6.96E-07	-6.67E-04
POCP	kg C ₂ H ₄ -eq.	4.82E-04	9.42E-08	-5.27E-06	0	4.62E-07	-5.58E-04
ADPE	kg Sb-eq.	3.67E-06	9.29E-13	1.01E-11	0	5.11E-11	-1.34E-07
ADPF	MJ	21.9	0.00394	0.0430	0	0.0139	-32.5

EPD results for 1LM of:

NC134 Base Channel *Ancillary - Powder Coated*



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	2.20	3.12E-04	0.00335	0	0.00116	-3.36
GWP-fossil	kg CO ₂ -eq.	2.19	3.12E-04	0.00335	0	0.00115	-3.36
GWP-biogenic	kg CO ₂ -eq.	0.0131	1.54E-08	1.68E-07	0	1.48E-05	-0.00593
GWP-luluc	kg CO ₂ -eq.	1.48E-04	3.62E-09	3.96E-08	0	3.61E-06	-3.07E-04
ODP	kg CFC11-eq.	3.19E-12	6.88E-18	7.51E-17	0	2.96E-15	-2.73E-12
AP	Mole of H+ eq.	0.0111	1.50E-06	2.04E-05	0	8.25E-06	-0.0118
EP-freshwater	kg P eq.	2.02E-06	5.44E-11	5.93E-10	0	2.34E-09	-1.13E-06
EP-marine	kg N eq.	0.00169	7.33E-07	1.03E-05	0	2.13E-06	-0.00200
EP-terrestrial	Mole of N eq.	0.0192	8.02E-06	1.13E-04	0	2.34E-05	-0.0218
POCP	kg NMVOC eq.	0.00500	2.05E-06	1.97E-05	0	6.43E-06	-0.00595
ADP-minerals&metals	kg Sb-eq.	3.93E-06	9.94E-13	1.08E-11	0	5.38E-11	-1.18E-07
ADP-fossil	MJ	24.4	0.00422	0.0461	0	0.0155	-45.4
WDP	m ³ world equiv.	0.593	5.17E-07	5.64E-06	0	1.28E-04	-0.208

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	22.2	3.71E-06	4.05E-05	-0.0248	0.00253	-15.4
PERM	MJ	0.313	0	0	0	0	0
PERT	MJ	22.5	3.71E-06	4.05E-05	-0.0248	0.00253	-15.4
PENRE	MJ	39.7	0.00422	0.0461	0.769	0.0155	-32.6
PENRM	MJ	-2.63E-05	0	0	-0.769	0	-12.8
PENRT	MJ	39.7	0.00422	0.0461	0	0.0155	-45.5
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0598	9.69E-09	1.06E-07	0	3.91E-06	-0.0312

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	8.93E-09	2.62E-15	2.86E-14	0	3.37E-13	5.07E-09
NHWD	kg	0.0874	4.77E-08	5.21E-07	0	0.0775	-0.779
RWD	kg	2.91E-04	1.30E-10	1.42E-09	0	1.77E-07	-0.00349
CRU	kg	0	0	0	0	0	0
MFR	kg	8.18E-07	0	0	0.439	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	2.18	3.12E-04	0.00335	0	0.00115	-3.35
GWP-GHG	kg CO ₂ -eq.	2.19	3.12E-04	0.00335	0	0.00115	-3.36
PM	Disease incidences	1.92E-07	1.70E-11	6.56E-11	0	1.01E-10	-1.26E-07
IRP	kBq U235 eq.	0.0462	1.33E-08	1.45E-07	0	2.05E-05	-0.777
ETP-fw	CTUe	18.3	9.90E-04	0.0108	0	0.0112	-11.8
HTPc	CTUh	1.10E-09	1.64E-14	1.80E-13	0	1.30E-12	-1.41E-09
HTPnc	CTUh	1.10E-08	3.61E-13	3.89E-12	0	1.37E-10	-2.93E-08
SQP	Pt	4.82	3.63E-06	3.96E-05	0	0.00376	-1.24

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	2.19	3.11E-04	0.00334	0	0.00115	-3.34
ODP	kg CFC11-eq.	3.82E-12	8.10E-18	8.84E-17	0	3.49E-15	-3.21E-12
AP	kg SO ₂ -eq.	0.00929	1.04E-06	1.38E-05	0	6.56E-06	-0.00989
EP	kg PO ₄ ³⁻ -eq.	6.14E-04	2.45E-07	3.47E-06	0	7.45E-07	-7.14E-04
POCP	kg C ₂ H ₄ -eq.	5.15E-04	1.01E-07	-5.64E-06	0	4.94E-07	-5.97E-04
ADPE	kg Sb-eq.	3.92E-06	9.94E-13	1.08E-11	0	5.47E-11	-1.43E-07
ADPF	MJ	23.4	0.00422	0.0460	0	0.0148	-34.8

EPD results for 1LM of:

NC138 Termination Base Flashing *Ancillary - Powder Coated*



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	0.967	1.36E-04	0.00147	0	5.10E-04	-1.47
GWP-fossil	kg CO ₂ -eq.	0.961	1.36E-04	0.00147	0	5.02E-04	-1.47
GWP-biogenic	kg CO ₂ -eq.	0.00580	6.73E-09	7.34E-08	0	6.48E-06	-0.00260
GWP-luluc	kg CO ₂ -eq.	6.53E-05	1.59E-09	1.73E-08	0	1.58E-06	-1.34E-04
ODP	kg CFC11-eq.	1.41E-12	3.01E-18	3.29E-17	0	1.30E-15	-1.19E-12
AP	Mole of H+ eq.	0.00486	6.55E-07	8.92E-06	0	3.61E-06	-0.00517
EP-freshwater	kg P eq.	9.28E-07	2.38E-11	2.60E-10	0	1.03E-09	-4.94E-07
EP-marine	kg N eq.	7.41E-04	3.21E-07	4.51E-06	0	9.33E-07	-8.77E-04
EP-terrestrial	Mole of N eq.	0.00846	3.51E-06	4.97E-05	0	1.03E-05	-0.00955
POCP	kg NMVOC eq.	0.00220	8.96E-07	8.64E-06	0	2.82E-06	-0.00261
ADP-minerals&metals	kg Sb-eq.	1.72E-06	4.35E-13	4.75E-12	0	2.36E-11	-5.16E-08
ADP-fossil	MJ	10.7	0.00185	0.0202	0	0.00678	-19.9
WDP	m ³ world equiv.	0.262	2.26E-07	2.47E-06	0	5.59E-05	-0.0912

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	9.85	1.63E-06	1.77E-05	-0.0109	0.00111	-6.75
PERM	MJ	0.137	0	0	0	0	0
PERT	MJ	9.98	1.63E-06	1.77E-05	-0.0109	0.00111	-6.75
PENRE	MJ	17.4	0.00185	0.0202	0.337	0.00679	-14.3
PENRM	MJ	-1.15E-05	0	0	-0.337	0	-5.62
PENRT	MJ	17.4	0.00185	0.0202	0	0.00679	-19.9
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0265	4.24E-09	4.63E-08	0	1.71E-06	-0.0137

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	3.92E-09	1.15E-15	1.25E-14	0	1.48E-13	2.22E-09
NHWD	kg	0.0391	2.09E-08	2.28E-07	0	0.0339	-0.341
RWD	kg	1.28E-04	5.71E-11	6.23E-10	0	7.76E-08	-0.00153
CRU	kg	0	0	0	0	0	0
MFR	kg	3.58E-07	0	0	0.192	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	0.960	1.36E-04	0.00147	0	5.03E-04	-1.47
GWP-GHG	kg CO ₂ -eq.	0.963	1.36E-04	0.00147	0	5.05E-04	-1.47
PM	Disease incidences	8.41E-08	7.46E-12	2.87E-11	0	4.44E-11	-5.50E-08
IRP	kBq U235 eq.	0.0203	5.82E-09	6.35E-08	0	8.98E-06	-0.340
ETP-fw	CTUe	8.24	4.34E-04	0.00473	0	0.00491	-5.15
HTPc	CTUh	4.85E-10	7.19E-15	7.90E-14	0	5.70E-13	-6.19E-10
HTPnc	CTUh	4.88E-09	1.58E-13	1.70E-12	0	6.01E-11	-1.28E-08
SQP	Pt	2.12	1.59E-06	1.74E-05	0	0.00165	-0.542

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	0.961	1.36E-04	0.00146	0	5.05E-04	-1.46
ODP	kg CFC11-eq.	1.68E-12	3.55E-18	3.87E-17	0	1.53E-15	-1.41E-12
AP	kg SO ₂ -eq.	0.00408	4.53E-07	6.04E-06	0	2.87E-06	-0.00433
EP	kg PO ₄ ³⁻ -eq.	2.71E-04	1.07E-07	1.52E-06	0	3.26E-07	-3.13E-04
POCP	kg C ₂ H ₄ -eq.	2.27E-04	4.42E-08	-2.47E-06	0	2.16E-07	-2.62E-04
ADPE	kg Sb-eq.	1.72E-06	4.35E-13	4.75E-12	0	2.40E-11	-6.27E-08
ADPF	MJ	10.3	0.00185	0.0201	0	0.00650	-15.2

EPD results for 1LM of:

NC139 Termination Cap Flashing *Ancillary - Powder Coated*



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	0.765	1.07E-04	0.00116	0	4.02E-04	-1.16
GWP-fossil	kg CO ₂ -eq.	0.760	1.07E-04	0.00116	0	3.95E-04	-1.16
GWP-biogenic	kg CO ₂ -eq.	0.00462	5.30E-09	5.78E-08	0	5.10E-06	-0.00205
GWP-luluc	kg CO ₂ -eq.	5.19E-05	1.25E-09	1.36E-08	0	1.25E-06	-1.06E-04
ODP	kg CFC11-eq.	1.12E-12	2.37E-18	2.59E-17	0	1.02E-15	-9.40E-13
AP	Mole of H+ eq.	0.00384	5.16E-07	7.03E-06	0	2.84E-06	-0.00407
EP-freshwater	kg P eq.	7.63E-07	1.88E-11	2.05E-10	0	8.08E-10	-3.89E-07
EP-marine	kg N eq.	5.86E-04	2.53E-07	3.55E-06	0	7.35E-07	-6.91E-04
EP-terrestrial	Mole of N eq.	0.00670	2.77E-06	3.91E-05	0	8.09E-06	-0.00752
POCP	kg NMVOC eq.	0.00174	7.06E-07	6.81E-06	0	2.22E-06	-0.00205
ADP-minerals&metals	kg Sb-eq.	1.36E-06	3.43E-13	3.74E-12	0	1.86E-11	-4.07E-08
ADP-fossil	MJ	8.49	0.00146	0.0159	0	0.00534	-15.7
WDP	m ³ world equiv.	0.208	1.78E-07	1.94E-06	0	4.40E-05	-0.0719

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	7.83	1.28E-06	1.40E-05	-0.00855	8.71E-04	-5.32
PERM	MJ	0.108	0	0	0	0	0
PERT	MJ	7.94	1.28E-06	1.40E-05	-0.00855	8.71E-04	-5.32
PENRE	MJ	13.8	0.00146	0.0159	0.265	0.00535	-11.3
PENRM	MJ	-9.06E-06	0	0	-0.265	0	-4.43
PENRT	MJ	13.8	0.00146	0.0159	0	0.00535	-15.7
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0210	3.34E-09	3.65E-08	0	1.35E-06	-0.0108

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	3.10E-09	9.04E-16	9.86E-15	0	1.16E-13	1.75E-09
NHWD	kg	0.0317	1.65E-08	1.80E-07	0	0.0267	-0.269
RWD	kg	1.02E-04	4.50E-11	4.91E-10	0	6.11E-08	-0.00121
CRU	kg	0	0	0	0	0	0
MFR	kg	2.82E-07	0	0	0.151	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	0.759	1.07E-04	0.00116	0	3.97E-04	-1.15
GWP-GHG	kg CO ₂ -eq.	0.761	1.08E-04	0.00116	0	3.98E-04	-1.16
PM	Disease incidences	6.64E-08	5.88E-12	2.26E-11	0	3.50E-11	-4.33E-08
IRP	kBq U235 eq.	0.0161	4.59E-09	5.00E-08	0	7.07E-06	-0.268
ETP-fw	CTUe	6.64	3.42E-04	0.00373	0	0.00387	-4.06
HTPc	CTUh	3.83E-10	5.66E-15	6.22E-14	0	4.49E-13	-4.87E-10
HTPnc	CTUh	3.88E-09	1.24E-13	1.34E-12	0	4.74E-11	-1.01E-08
SQP	Pt	1.68	1.25E-06	1.37E-05	0	0.00130	-0.427

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	0.760	1.07E-04	0.00115	0	3.98E-04	-1.15
ODP	kg CFC11-eq.	1.34E-12	2.79E-18	3.05E-17	0	1.20E-15	-1.11E-12
AP	kg SO ₂ -eq.	0.00322	3.57E-07	4.76E-06	0	2.26E-06	-0.00341
EP	kg PO ₄ ³⁻ -eq.	2.15E-04	8.46E-08	1.20E-06	0	2.57E-07	-2.46E-04
POCP	kg C ₂ H ₄ -eq.	1.80E-04	3.48E-08	-1.94E-06	0	1.70E-07	-2.06E-04
ADPE	kg Sb-eq.	1.36E-06	3.43E-13	3.74E-12	0	1.89E-11	-4.94E-08
ADPF	MJ	8.16	0.00145	0.0159	0	0.00512	-12.0

EPD results for 1LM of:

NC230 Inter-Storey Jointer Ancillary - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	2.35	3.32E-04	0.00357	0	0.00124	-3.59
GWP-fossil	kg CO ₂ -eq.	2.33	3.32E-04	0.00357	0	0.00122	-3.58
GWP-biogenic	kg CO ₂ -eq.	0.0140	1.64E-08	1.79E-07	0	1.58E-05	-0.00632
GWP-luluc	kg CO ₂ -eq.	1.58E-04	3.86E-09	4.22E-08	0	3.85E-06	-3.27E-04
ODP	kg CFC11-eq.	3.42E-12	7.33E-18	8.00E-17	0	3.16E-15	-2.91E-12
AP	Mole of H+ eq.	0.0118	1.59E-06	2.17E-05	0	8.79E-06	-0.0126
EP-freshwater	kg P eq.	2.19E-06	5.80E-11	6.33E-10	0	2.50E-09	-1.20E-06
EP-marine	kg N eq.	0.00180	7.81E-07	1.10E-05	0	2.27E-06	-0.00213
EP-terrestrial	Mole of N eq.	0.0205	8.55E-06	1.21E-04	0	2.50E-05	-0.0232
POCP	kg NMVOC eq.	0.00534	2.18E-06	2.10E-05	0	6.85E-06	-0.00634
ADP-minerals&metals	kg Sb-eq.	4.19E-06	1.06E-12	1.16E-11	0	5.73E-11	-1.26E-07
ADP-fossil	MJ	26.0	0.00450	0.0491	0	0.0165	-48.4
WDP	m ³ world equiv.	0.633	5.51E-07	6.01E-06	0	1.36E-04	-0.222

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	23.7	3.96E-06	4.32E-05	-0.0264	0.00269	-16.4
PERM	MJ	0.334	0	0	0	0	0
PERT	MJ	24.0	3.96E-06	4.32E-05	-0.0264	0.00269	-16.4
PENRE	MJ	42.3	0.00450	0.0491	0.819	0.0165	-34.8
PENRM	MJ	-2.80E-05	0	0	-0.819	0	-13.7
PENRT	MJ	42.3	0.00450	0.0491	0	0.0165	-48.5
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0638	1.03E-08	1.13E-07	0	4.17E-06	-0.0332

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	9.53E-09	2.79E-15	3.05E-14	0	3.59E-13	5.41E-09
NHWD	kg	0.0944	5.09E-08	5.55E-07	0	0.0826	-0.830
RWD	kg	3.12E-04	1.39E-10	1.52E-09	0	1.89E-07	-0.00372
CRU	kg	0	0	0	0	0	0
MFR	kg	8.72E-07	0	0	0.468	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	2.33	3.32E-04	0.00357	0	0.00123	-3.57
GWP-GHG	kg CO ₂ -eq.	2.34	3.32E-04	0.00357	0	0.00123	-3.58
PM	Disease incidences	2.05E-07	1.82E-11	7.00E-11	0	1.08E-10	-1.34E-07
IRP	kBq U235 eq.	0.0493	1.42E-08	1.55E-07	0	2.19E-05	-0.828
ETP-fw	CTUe	19.6	0.00106	0.0115	0	0.0120	-12.5
HTPc	CTUh	1.18E-09	1.75E-14	1.92E-13	0	1.39E-12	-1.51E-09
HTPnc	CTUh	1.18E-08	3.84E-13	4.14E-12	0	1.46E-10	-3.13E-08
SQP	Pt	5.15	3.87E-06	4.22E-05	0	0.00401	-1.32

Environmental impact EN15804+A1

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	2.33	3.31E-04	0.00356	0	0.00123	-3.56
ODP	kg CFC11-eq.	4.09E-12	8.63E-18	9.42E-17	0	3.72E-15	-3.42E-12
AP	kg SO ₂ -eq.	0.00991	1.10E-06	1.47E-05	0	6.99E-06	-0.0105
EP	kg PO ₄ ³⁻ -eq.	6.56E-04	2.61E-07	3.70E-06	0	7.94E-07	-7.61E-04
POCP	kg C ₂ H ₄ -eq.	5.50E-04	1.08E-07	-6.01E-06	0	5.27E-07	-6.36E-04
ADPE	kg Sb-eq.	4.19E-06	1.06E-12	1.16E-11	0	5.83E-11	-1.53E-07
ADPF	MJ	25.0	0.00449	0.0490	0	0.0158	-37.1

EPD results for 1LM of:

NC233 One Piece External Corner Ancillary - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	2.53	3.59E-04	0.00386	0	0.00134	-3.87
GWP-fossil	kg CO ₂ -eq.	2.52	3.59E-04	0.00386	0	0.00132	-3.86
GWP-biogenic	kg CO ₂ -eq.	0.0151	1.77E-08	1.93E-07	0	1.70E-05	-0.00682
GWP-luluc	kg CO ₂ -eq.	1.71E-04	4.17E-09	4.55E-08	0	4.16E-06	-3.53E-04
ODP	kg CFC11-eq.	3.68E-12	7.92E-18	8.64E-17	0	3.41E-15	-3.14E-12
AP	Mole of H+ eq.	0.0127	1.72E-06	2.34E-05	0	9.49E-06	-0.0136
EP-freshwater	kg P eq.	2.34E-06	6.26E-11	6.83E-10	0	2.70E-09	-1.30E-06
EP-marine	kg N eq.	0.00194	8.43E-07	1.18E-05	0	2.45E-06	-0.00230
EP-terrestrial	Mole of N eq.	0.0221	9.24E-06	1.31E-04	0	2.70E-05	-0.0251
POCP	kg NMVOC eq.	0.00576	2.36E-06	2.27E-05	0	7.40E-06	-0.00685
ADP-minerals&metals	kg Sb-eq.	4.52E-06	1.14E-12	1.25E-11	0	6.19E-11	-1.36E-07
ADP-fossil	MJ	28.1	0.00486	0.0531	0	0.0178	-52.3
WDP	m ³ world equiv.	0.683	5.95E-07	6.49E-06	0	1.47E-04	-0.240

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	25.5	4.27E-06	4.66E-05	-0.0285	0.00291	-17.7
PERM	MJ	0.360	0	0	0	0	0
PERT	MJ	25.9	4.27E-06	4.66E-05	-0.0285	0.00291	-17.7
PENRE	MJ	45.7	0.00486	0.0531	0.885	0.0178	-37.6
PENRM	MJ	-3.02E-05	0	0	-0.885	0	-14.8
PENRT	MJ	45.7	0.00486	0.0531	0	0.0178	-52.3
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0688	1.12E-08	1.22E-07	0	4.50E-06	-0.0359

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.03E-08	3.02E-15	3.29E-14	0	3.88E-13	5.84E-09
NHWD	kg	0.101	5.49E-08	5.99E-07	0	0.0892	-0.897
RWD	kg	3.36E-04	1.50E-10	1.64E-09	0	2.04E-07	-0.00402
CRU	kg	0	0	0	0	0	0
MFR	kg	9.41E-07	0	0	0.505	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	2.51	3.59E-04	0.00386	0	0.00132	-3.85
GWP-GHG	kg CO ₂ -eq.	2.52	3.59E-04	0.00386	0	0.00133	-3.87
PM	Disease incidences	2.21E-07	1.96E-11	7.56E-11	0	1.17E-10	-1.45E-07
IRP	kBq U235 eq.	0.0532	1.53E-08	1.67E-07	0	2.36E-05	-0.894
ETP-fw	CTUe	21.0	0.00114	0.0124	0	0.0129	-13.5
HTPc	CTUh	1.27E-09	1.89E-14	2.08E-13	0	1.50E-12	-1.63E-09
HTPnc	CTUh	1.27E-08	4.15E-13	4.48E-12	0	1.58E-10	-3.38E-08
SQP	Pt	5.55	4.18E-06	4.56E-05	0	0.00433	-1.42

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			End-of-life	Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	2.52	3.57E-04	0.00385	0	0.00133	-3.84
ODP	kg CFC11-eq.	4.40E-12	9.32E-18	1.02E-16	0	4.01E-15	-3.69E-12
AP	kg SO ₂ -eq.	0.0107	1.19E-06	1.59E-05	0	7.55E-06	-0.0114
EP	kg PO ₄ ³⁻ -eq.	7.08E-04	2.82E-07	4.00E-06	0	8.57E-07	-8.21E-04
POCP	kg C ₂ H ₄ -eq.	5.93E-04	1.16E-07	-6.49E-06	0	5.69E-07	-6.87E-04
ADPE	kg Sb-eq.	4.52E-06	1.14E-12	1.25E-11	0	6.30E-11	-1.65E-07
ADPF	MJ	27.0	0.00485	0.0530	0	0.0171	-40.1

EPD results for 1LM of:

NC237P Punched Head Channel Base *Ancillary - Powder Coated*



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	3.80	5.40E-04	0.00582	0	0.00202	-5.83
GWP-fossil	kg CO ₂ -eq.	3.78	5.40E-04	0.00582	0	0.00199	-5.82
GWP-biogenic	kg CO ₂ -eq.	0.0225	2.66E-08	2.91E-07	0	2.57E-05	-0.0103
GWP-luluc	kg CO ₂ -eq.	2.55E-04	6.29E-09	6.86E-08	0	6.27E-06	-5.32E-04
ODP	kg CFC11-eq.	5.49E-12	1.19E-17	1.30E-16	0	5.13E-15	-4.73E-12
AP	Mole of H+ eq.	0.0192	2.59E-06	3.53E-05	0	1.43E-05	-0.0205
EP-freshwater	kg P eq.	3.38E-06	9.43E-11	1.03E-09	0	4.06E-09	-1.96E-06
EP-marine	kg N eq.	0.00291	1.27E-06	1.78E-05	0	3.70E-06	-0.00347
EP-terrestrial	Mole of N eq.	0.0332	1.39E-05	1.97E-04	0	4.07E-05	-0.0378
POCP	kg NMVOC eq.	0.00864	3.55E-06	3.42E-05	0	1.12E-05	-0.0103
ADP-minerals&metals	kg Sb-eq.	6.79E-06	1.72E-12	1.88E-11	0	9.33E-11	-2.04E-07
ADP-fossil	MJ	42.1	0.00733	0.0799	0	0.0269	-78.7
WDP	m ³ world equiv.	1.02	8.96E-07	9.78E-06	0	2.21E-04	-0.361

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	38.2	6.44E-06	7.03E-05	-0.0430	0.00438	-26.7
PERM	MJ	0.543	0	0	0	0	0
PERT	MJ	38.7	6.44E-06	7.03E-05	-0.0430	0.00438	-26.7
PENRE	MJ	68.6	0.00733	0.0799	1.33	0.0269	-56.6
PENRM	MJ	-4.55E-05	0	0	-1.33	0	-22.3
PENRT	MJ	68.6	0.00733	0.0799	0	0.0269	-78.9
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.103	1.68E-08	1.83E-07	0	6.79E-06	-0.0541

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.54E-08	4.54E-15	4.96E-14	0	5.84E-13	8.80E-09
NHWD	kg	0.148	8.28E-08	9.03E-07	0	0.134	-1.35
RWD	kg	5.03E-04	2.26E-10	2.47E-09	0	3.07E-07	-0.00606
CRU	kg	0	0	0	0	0	0
MFR	kg	1.42E-06	0	0	0.761	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

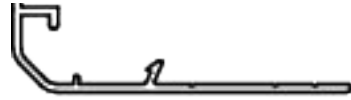
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	3.77	5.40E-04	0.00582	0	0.00199	-5.80
GWP-GHG	kg CO ₂ -eq.	3.79	5.41E-04	0.00582	0	0.00200	-5.83
PM	Disease incidences	3.32E-07	2.95E-11	1.14E-10	0	1.76E-10	-2.18E-07
IRP	kBq U235 eq.	0.0797	2.31E-08	2.52E-07	0	3.56E-05	-1.35
ETP-fw	CTUe	31.1	0.00172	0.0187	0	0.0195	-20.4
HTPc	CTUh	1.91E-09	2.85E-14	3.13E-13	0	2.26E-12	-2.45E-09
HTPnc	CTUh	1.90E-08	6.25E-13	6.74E-12	0	2.38E-10	-5.09E-08
SQP	Pt	8.32	6.30E-06	6.87E-05	0	0.00652	-2.15

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	3.78	5.39E-04	0.00580	0	0.00200	-5.79
ODP	kg CFC11-eq.	6.57E-12	1.40E-17	1.53E-16	0	6.05E-15	-5.57E-12
AP	kg SO ₂ -eq.	0.0161	1.80E-06	2.39E-05	0	1.14E-05	-0.0172
EP	kg PO ₄ ³⁻ -eq.	0.00106	4.26E-07	6.02E-06	0	1.29E-06	-0.00124
POCP	kg C ₂ H ₄ -eq.	8.89E-04	1.75E-07	-9.78E-06	0	8.57E-07	-0.00104
ADPE	kg Sb-eq.	6.78E-06	1.72E-12	1.88E-11	0	9.49E-11	-2.48E-07
ADPF	MJ	40.4	0.00731	0.0798	0	0.0257	-60.4

EPD results for 1LM of:

NC247 Jamb Flashing Base 2 Ancillary - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	1.41	1.99E-04	0.00214	0	7.45E-04	-2.15
GWP-fossil	kg CO ₂ -eq.	1.40	1.99E-04	0.00214	0	7.33E-04	-2.15
GWP-biogenic	kg CO ₂ -eq.	0.00835	9.82E-09	1.07E-07	0	9.46E-06	-0.00379
GWP-luluc	kg CO ₂ -eq.	9.43E-05	2.32E-09	2.53E-08	0	2.31E-06	-1.96E-04
ODP	kg CFC11-eq.	2.03E-12	4.40E-18	4.80E-17	0	1.89E-15	-1.74E-12
AP	Mole of H+ eq.	0.00708	9.57E-07	1.30E-05	0	5.27E-06	-0.00755
EP-freshwater	kg P eq.	1.28E-06	3.48E-11	3.80E-10	0	1.50E-09	-7.22E-07
EP-marine	kg N eq.	0.00108	4.69E-07	6.58E-06	0	1.36E-06	-0.00128
EP-terrestrial	Mole of N eq.	0.0123	5.13E-06	7.25E-05	0	1.50E-05	-0.0139
POCP	kg NMVOC eq.	0.00319	1.31E-06	1.26E-05	0	4.11E-06	-0.00381
ADP-minerals&metals	kg Sb-eq.	2.51E-06	6.36E-13	6.94E-12	0	3.44E-11	-7.54E-08
ADP-fossil	MJ	15.5	0.00270	0.0295	0	0.00990	-29.0
WDP	m ³ world equiv.	0.380	3.30E-07	3.60E-06	0	8.17E-05	-0.133

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	14.2	2.37E-06	2.59E-05	-0.0159	0.00162	-9.85
PERM	MJ	0.200	0	0	0	0	0
PERT	MJ	14.4	2.37E-06	2.59E-05	-0.0159	0.00162	-9.85
PENRE	MJ	25.3	0.00270	0.0295	0.492	0.00991	-20.9
PENRM	MJ	-1.68E-05	0	0	-0.492	0	-8.20
PENRT	MJ	25.3	0.00270	0.0295	0	0.00991	-29.1
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0383	6.20E-09	6.76E-08	0	2.50E-06	-0.0199

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	5.70E-09	1.68E-15	1.83E-14	0	2.15E-13	3.24E-09
NHWD	kg	0.0551	3.05E-08	3.33E-07	0	0.0495	-0.498
RWD	kg	1.86E-04	8.34E-11	9.10E-10	0	1.13E-07	-0.00223
CRU	kg	0	0	0	0	0	0
MFR	kg	5.23E-07	0	0	0.281	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

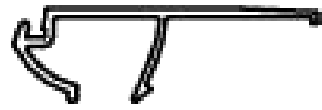
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	1.39	1.99E-04	0.00214	0	7.35E-04	-2.14
GWP-GHG	kg CO ₂ -eq.	1.40	1.99E-04	0.00214	0	7.38E-04	-2.15
PM	Disease incidences	1.23E-07	1.09E-11	4.20E-11	0	6.49E-11	-8.04E-08
IRP	kBq U235 eq.	0.0294	8.50E-09	9.28E-08	0	1.31E-05	-0.497
ETP-fw	CTUe	11.7	6.33E-04	0.00691	0	0.00717	-7.52
HTPc	CTUh	7.05E-10	1.05E-14	1.15E-13	0	8.32E-13	-9.04E-10
HTPnc	CTUh	7.03E-09	2.31E-13	2.49E-12	0	8.78E-11	-1.88E-08
SQP	Pt	3.08	2.32E-06	2.53E-05	0	0.00241	-0.791

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	1.40	1.99E-04	0.00214	0	7.38E-04	-2.14
ODP	kg CFC11-eq.	2.43E-12	5.18E-18	5.65E-17	0	2.23E-15	-2.05E-12
AP	kg SO ₂ -eq.	0.00594	6.62E-07	8.82E-06	0	4.20E-06	-0.00632
EP	kg PO ₄ ³⁻ -eq.	3.93E-04	1.57E-07	2.22E-06	0	4.76E-07	-4.56E-04
POCP	kg C ₂ H ₄ -eq.	3.28E-04	6.45E-08	-3.61E-06	0	3.16E-07	-3.82E-04
ADPE	kg Sb-eq.	2.50E-06	6.36E-13	6.94E-12	0	3.50E-11	-9.16E-08
ADPF	MJ	14.9	0.00270	0.0294	0	0.00949	-22.3

EPD results for 1LM of:

NC248 Jamb Flashing Cap 2. Ancillary - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	1.10	1.55E-04	0.00166	0	5.78E-04	-1.67
GWP-fossil	kg CO ₂ -eq.	1.09	1.55E-04	0.00166	0	5.69E-04	-1.67
GWP-biogenic	kg CO ₂ -eq.	0.00667	7.62E-09	8.31E-08	0	7.34E-06	-0.00294
GWP-luluc	kg CO ₂ -eq.	7.48E-05	1.80E-09	1.96E-08	0	1.79E-06	-1.52E-04
ODP	kg CFC11-eq.	1.62E-12	3.41E-18	3.72E-17	0	1.47E-15	-1.35E-12
AP	Mole of H+ eq.	0.00552	7.42E-07	1.01E-05	0	4.09E-06	-0.00586
EP-freshwater	kg P eq.	1.10E-06	2.70E-11	2.94E-10	0	1.16E-09	-5.60E-07
EP-marine	kg N eq.	8.44E-04	3.63E-07	5.11E-06	0	1.06E-06	-9.93E-04
EP-terrestrial	Mole of N eq.	0.00963	3.98E-06	5.63E-05	0	1.16E-05	-0.0108
POCP	kg NMVOC eq.	0.00250	1.02E-06	9.79E-06	0	3.19E-06	-0.00295
ADP-minerals&metals	kg Sb-eq.	1.96E-06	4.93E-13	5.38E-12	0	2.67E-11	-5.85E-08
ADP-fossil	MJ	12.2	0.00210	0.0229	0	0.00768	-22.5
WDP	m ³ world equiv.	0.298	2.56E-07	2.80E-06	0	6.34E-05	-0.103

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	11.2	1.84E-06	2.01E-05	-0.0123	0.00125	-7.64
PERM	MJ	0.155	0	0	0	0	0
PERT	MJ	11.4	1.84E-06	2.01E-05	-0.0123	0.00125	-7.64
PENRE	MJ	19.8	0.00210	0.0229	0.381	0.00769	-16.2
PENRM	MJ	-1.30E-05	0	0	-0.381	0	-6.36
PENRT	MJ	19.8	0.00210	0.0229	0	0.00769	-22.6
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0301	4.81E-09	5.24E-08	0	1.94E-06	-0.0155

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	4.46E-09	1.30E-15	1.42E-14	0	1.67E-13	2.52E-09
NHWD	kg	0.0462	2.37E-08	2.58E-07	0	0.0384	-0.386
RWD	kg	1.47E-04	6.47E-11	7.06E-10	0	8.79E-08	-0.00173
CRU	kg	0	0	0	0	0	0
MFR	kg	4.06E-07	0	0	0.218	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	1.09	1.55E-04	0.00166	0	5.70E-04	-1.66
GWP-GHG	kg CO ₂ -eq.	1.10	1.55E-04	0.00166	0	5.72E-04	-1.67
PM	Disease incidences	9.55E-08	8.45E-12	3.26E-11	0	5.03E-11	-6.23E-08
IRP	kBq U235 eq.	0.0232	6.59E-09	7.20E-08	0	1.02E-05	-0.385
ETP-fw	CTUe	9.50	4.91E-04	0.00536	0	0.00557	-5.83
HTPc	CTUh	5.52E-10	8.14E-15	8.94E-14	0	6.45E-13	-7.01E-10
HTPnc	CTUh	5.62E-09	1.79E-13	1.93E-12	0	6.81E-11	-1.46E-08
SQP	Pt	2.42	1.80E-06	1.97E-05	0	0.00187	-0.614

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	1.09	1.54E-04	0.00166	0	5.72E-04	-1.66
ODP	kg CFC11-eq.	1.94E-12	4.02E-18	4.38E-17	0	1.73E-15	-1.59E-12
AP	kg SO ₂ -eq.	0.00463	5.14E-07	6.84E-06	0	3.25E-06	-0.00491
EP	kg PO ₄ ³⁻ -eq.	3.09E-04	1.22E-07	1.72E-06	0	3.69E-07	-3.54E-04
POCP	kg C ₂ H ₄ -eq.	2.59E-04	5.01E-08	-2.80E-06	0	2.45E-07	-2.96E-04
ADPE	kg Sb-eq.	1.96E-06	4.93E-13	5.38E-12	0	2.72E-11	-7.11E-08
ADPF	MJ	11.8	0.00209	0.0228	0	0.00737	-17.3

EPD results for 1LM of:

NC249 Top Hat Feature Ancillary - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	5.27	7.48E-04	0.00805	0	0.00279	-8.07
GWP-fossil	kg CO ₂ -eq.	5.23	7.48E-04	0.00805	0	0.00275	-8.05
GWP-biogenic	kg CO ₂ -eq.	0.0313	3.68E-08	4.02E-07	0	3.55E-05	-0.0142
GWP-luluc	kg CO ₂ -eq.	3.54E-04	8.70E-09	9.49E-08	0	8.67E-06	-7.36E-04
ODP	kg CFC11-eq.	7.63E-12	1.65E-17	1.80E-16	0	7.10E-15	-6.54E-12
AP	Mole of H+ eq.	0.0265	3.59E-06	4.89E-05	0	1.98E-05	-0.0283
EP-freshwater	kg P eq.	4.74E-06	1.30E-10	1.42E-09	0	5.62E-09	-2.71E-06
EP-marine	kg N eq.	0.00403	1.76E-06	2.47E-05	0	5.11E-06	-0.00480
EP-terrestrial	Mole of N eq.	0.0459	1.93E-05	2.72E-04	0	5.63E-05	-0.0523
POCP	kg NMVOC eq.	0.0120	4.91E-06	4.73E-05	0	1.54E-05	-0.0143
ADP-minerals&metals	kg Sb-eq.	9.41E-06	2.38E-12	2.60E-11	0	1.29E-10	-2.83E-07
ADP-fossil	MJ	58.3	0.0101	0.111	0	0.0371	-109
WDP	m ³ world equiv.	1.42	1.24E-06	1.35E-05	0	3.06E-04	-0.500

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	52.9	8.91E-06	9.72E-05	-0.0595	0.00606	-37.0
PERM	MJ	0.751	0	0	0	0	0
PERT	MJ	53.6	8.91E-06	9.72E-05	-0.0595	0.00606	-37.0
PENRE	MJ	95.0	0.0101	0.111	1.84	0.0372	-78.3
PENRM	MJ	-6.30E-05	0	0	-1.84	0	-30.8
PENRT	MJ	95.0	0.0101	0.111	0	0.0372	-109
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.143	2.32E-08	2.54E-07	0	9.39E-06	-0.0748

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	2.14E-08	6.29E-15	6.86E-14	0	8.08E-13	1.22E-08
NHWD	kg	0.207	1.14E-07	1.25E-06	0	0.186	-1.87
RWD	kg	6.97E-04	3.13E-10	3.41E-09	0	4.25E-07	-0.00838
CRU	kg	0	0	0	0	0	0
MFR	kg	1.96E-06	0	0	1.05	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	5.23	7.48E-04	0.00804	0	0.00276	-8.03
GWP-GHG	kg CO ₂ -eq.	5.24	7.48E-04	0.00805	0	0.00277	-8.06
PM	Disease incidences	4.60E-07	4.09E-11	1.57E-10	0	2.43E-10	-3.01E-07
IRP	kBq U235 eq.	0.110	3.19E-08	3.48E-07	0	4.92E-05	-1.86
ETP-fw	CTUe	43.2	0.00238	0.0259	0	0.0269	-28.2
HTPc	CTUh	2.64E-09	3.94E-14	4.33E-13	0	3.12E-12	-3.39E-09
HTPnc	CTUh	2.64E-08	8.65E-13	9.33E-12	0	3.29E-10	-7.04E-08
SQP	Pt	11.5	8.72E-06	9.51E-05	0	0.00902	-2.97

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	5.23	7.45E-04	0.00802	0	0.00277	-8.01
ODP	kg CFC11-eq.	9.12E-12	1.94E-17	2.12E-16	0	8.36E-15	-7.70E-12
AP	kg SO ₂ -eq.	0.0223	2.48E-06	3.31E-05	0	1.57E-05	-0.0237
EP	kg PO ₄ ³⁻ -eq.	0.00147	5.89E-07	8.33E-06	0	1.79E-06	-0.00171
POCP	kg C ₂ H ₄ -eq.	0.00123	2.42E-07	-1.35E-05	0	1.19E-06	-0.00143
ADPE	kg Sb-eq.	9.40E-06	2.39E-12	2.60E-11	0	1.31E-10	-3.44E-07
ADPF	MJ	56.0	0.0101	0.110	0	0.0356	-83.5

EPD results for 1LM of:

NC250 Square Jamb Capping *Ancillary - Powder Coated*



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	0.781	1.10E-04	0.00118	0	4.11E-04	-1.19
GWP-fossil	kg CO ₂ -eq.	0.777	1.10E-04	0.00118	0	4.04E-04	-1.18
GWP-biogenic	kg CO ₂ -eq.	0.00471	5.42E-09	5.91E-08	0	5.22E-06	-0.00209
GWP-luluc	kg CO ₂ -eq.	5.29E-05	1.28E-09	1.40E-08	0	1.27E-06	-1.08E-04
ODP	kg CFC11-eq.	1.14E-12	2.43E-18	2.65E-17	0	1.04E-15	-9.61E-13
AP	Mole of H+ eq.	0.00392	5.28E-07	7.18E-06	0	2.91E-06	-0.00416
EP-freshwater	kg P eq.	7.73E-07	1.92E-11	2.09E-10	0	8.26E-10	-3.98E-07
EP-marine	kg N eq.	5.99E-04	2.58E-07	3.63E-06	0	7.52E-07	-7.06E-04
EP-terrestrial	Mole of N eq.	0.00684	2.83E-06	4.00E-05	0	8.27E-06	-0.00769
POCP	kg NMVOC eq.	0.00178	7.22E-07	6.96E-06	0	2.27E-06	-0.00210
ADP-minerals&metals	kg Sb-eq.	1.39E-06	3.51E-13	3.83E-12	0	1.90E-11	-4.16E-08
ADP-fossil	MJ	8.67	0.00149	0.0163	0	0.00546	-16.0
WDP	m ³ world equiv.	0.212	1.82E-07	1.99E-06	0	4.50E-05	-0.0735

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	7.99	1.31E-06	1.43E-05	-0.00874	8.91E-04	-5.43
PERM	MJ	0.110	0	0	0	0	0
PERT	MJ	8.10	1.31E-06	1.43E-05	-0.00874	8.91E-04	-5.43
PENRE	MJ	14.1	0.00149	0.0163	0.271	0.00547	-11.5
PENRM	MJ	-9.26E-06	0	0	-0.271	0	-4.52
PENRT	MJ	14.1	0.00149	0.0163	0	0.00547	-16.0
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0214	3.42E-09	3.73E-08	0	1.38E-06	-0.0110

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	3.16E-09	9.24E-16	1.01E-14	0	1.19E-13	1.79E-09
NHWD	kg	0.0322	1.68E-08	1.84E-07	0	0.0273	-0.275
RWD	kg	1.04E-04	4.60E-11	5.02E-10	0	6.25E-08	-0.00123
CRU	kg	0	0	0	0	0	0
MFR	kg	2.88E-07	0	0	0.155	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

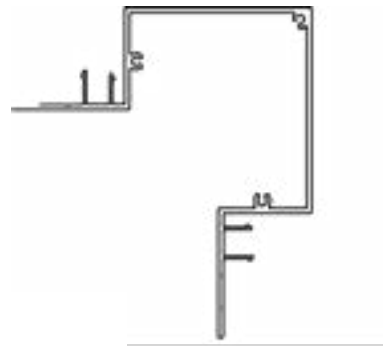
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	0.776	1.10E-04	0.00118	0	4.05E-04	-1.18
GWP-GHG	kg CO ₂ -eq.	0.778	1.10E-04	0.00118	0	4.07E-04	-1.19
PM	Disease incidences	6.78E-08	6.01E-12	2.32E-11	0	3.58E-11	-4.43E-08
IRP	kBq U235 eq.	0.0164	4.69E-09	5.12E-08	0	7.23E-06	-0.274
ETP-fw	CTUe	6.76	3.49E-04	0.00381	0	0.00396	-4.15
HTPc	CTUh	3.92E-10	5.79E-15	6.36E-14	0	4.59E-13	-4.98E-10
HTPnc	CTUh	3.96E-09	1.27E-13	1.37E-12	0	4.84E-11	-1.03E-08
SQP	Pt	1.72	1.28E-06	1.40E-05	0	0.00133	-0.436

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	0.777	1.10E-04	0.00118	0	4.07E-04	-1.18
ODP	kg CFC11-eq.	1.37E-12	2.86E-18	3.12E-17	0	1.23E-15	-1.13E-12
AP	kg SO ₂ -eq.	0.00329	3.65E-07	4.87E-06	0	2.31E-06	-0.00349
EP	kg PO ₄ ³⁻ -eq.	2.19E-04	8.65E-08	1.22E-06	0	2.63E-07	-2.52E-04
POCP	kg C ₂ H ₄ -eq.	1.83E-04	3.56E-08	-1.99E-06	0	1.74E-07	-2.11E-04
ADPE	kg Sb-eq.	1.39E-06	3.51E-13	3.83E-12	0	1.93E-11	-5.05E-08
ADPF	MJ	8.33	0.00149	0.0162	0	0.00524	-12.3

EPD results for 1LM of:

NC251 1 Piece External Corner *Ancillary - Powder Coated*



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	6.76	9.60E-04	0.0103	0	0.00359	-10.4
GWP-fossil	kg CO ₂ -eq.	6.72	9.60E-04	0.0103	0	0.00353	-10.3
GWP-biogenic	kg CO ₂ -eq.	0.0401	4.73E-08	5.16E-07	0	4.56E-05	-0.0183
GWP-luluc	kg CO ₂ -eq.	4.54E-04	1.12E-08	1.22E-07	0	1.11E-05	-9.45E-04
ODP	kg CFC11-eq.	9.79E-12	2.12E-17	2.31E-16	0	9.12E-15	-8.40E-12
AP	Mole of H+ eq.	0.0340	4.61E-06	6.28E-05	0	2.54E-05	-0.0364
EP-freshwater	kg P eq.	6.04E-06	1.68E-10	1.83E-09	0	7.22E-09	-3.48E-06
EP-marine	kg N eq.	0.00518	2.26E-06	3.17E-05	0	6.57E-06	-0.00617
EP-terrestrial	Mole of N eq.	0.0589	2.47E-05	3.49E-04	0	7.22E-05	-0.0672
POCP	kg NMVOC eq.	0.0154	6.31E-06	6.08E-05	0	1.98E-05	-0.0183
ADP-minerals&metals	kg Sb-eq.	1.21E-05	3.06E-12	3.34E-11	0	1.66E-10	-3.63E-07
ADP-fossil	MJ	74.8	0.0130	0.142	0	0.0477	-140
WDP	m ³ world equiv.	1.82	1.59E-06	1.74E-05	0	3.93E-04	-0.642

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	67.8	1.14E-05	1.25E-04	-0.0764	0.00778	-47.5
PERM	MJ	0.965	0	0	0	0	0
PERT	MJ	68.8	1.14E-05	1.25E-04	-0.0764	0.00778	-47.5
PENRE	MJ	122	0.0130	0.142	2.37	0.0478	-101
PENRM	MJ	-8.09E-05	0	0	-2.37	0	-39.5
PENRT	MJ	122	0.0130	0.142	0	0.0478	-140
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.183	2.98E-08	3.26E-07	0	1.21E-05	-0.0961

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	2.75E-08	8.07E-15	8.81E-14	0	1.04E-12	1.56E-08
NHWD	kg	0.265	1.47E-07	1.60E-06	0	0.239	-2.40
RWD	kg	8.95E-04	4.02E-10	4.38E-09	0	5.46E-07	-0.0108
CRU	kg	0	0	0	0	0	0
MFR	kg	2.52E-06	0	0	1.35	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

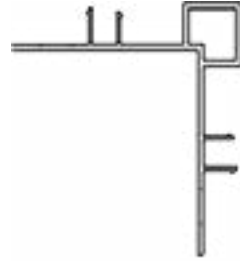
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	6.71	9.60E-04	0.0103	0	0.00354	-10.3
GWP-GHG	kg CO ₂ -eq.	6.73	9.60E-04	0.0103	0	0.00355	-10.4
PM	Disease incidences	5.91E-07	5.25E-11	2.02E-10	0	3.13E-10	-3.87E-07
IRP	kBq U235 eq.	0.142	4.10E-08	4.47E-07	0	6.32E-05	-2.39
ETP-fw	CTUe	55.2	0.00305	0.0333	0	0.0346	-36.2
HTPc	CTUh	3.39E-09	5.06E-14	5.55E-13	0	4.01E-12	-4.35E-09
HTPnc	CTUh	3.38E-08	1.11E-12	1.20E-11	0	4.23E-10	-9.04E-08
SQP	Pt	14.8	1.12E-05	1.22E-04	0	0.0116	-3.81

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	6.72	9.57E-04	0.0103	0	0.00355	-10.3
ODP	kg CFC11-eq.	1.17E-11	2.50E-17	2.72E-16	0	1.07E-14	-9.89E-12
AP	kg SO ₂ -eq.	0.0286	3.19E-06	4.25E-05	0	2.02E-05	-0.0305
EP	kg PO ₄ ³⁻ -eq.	0.00188	7.56E-07	1.07E-05	0	2.29E-06	-0.00220
POCP	kg C ₂ H ₄ -eq.	0.00158	3.11E-07	-1.74E-05	0	1.52E-06	-0.00184
ADPE	kg Sb-eq.	1.21E-05	3.06E-12	3.34E-11	0	1.69E-10	-4.41E-07
ADPF	MJ	71.9	0.0130	0.142	0	0.0457	-107

EPD results for 1LM of:

NC252 1 Piece External Corner Negative Detail Ancillary - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	4.39	6.25E-04	0.00673	0	0.00234	-6.75
GWP-fossil	kg CO ₂ -eq.	4.37	6.25E-04	0.00673	0	0.00230	-6.73
GWP-biogenic	kg CO ₂ -eq.	0.0259	3.08E-08	3.36E-07	0	2.97E-05	-0.0119
GWP-luluc	kg CO ₂ -eq.	2.94E-04	7.27E-09	7.93E-08	0	7.25E-06	-6.15E-04
ODP	kg CFC11-eq.	6.33E-12	1.38E-17	1.51E-16	0	5.94E-15	-5.47E-12
AP	Mole of H+ eq.	0.0221	3.00E-06	4.09E-05	0	1.65E-05	-0.0237
EP-freshwater	kg P eq.	3.86E-06	1.09E-10	1.19E-09	0	4.70E-09	-2.26E-06
EP-marine	kg N eq.	0.00336	1.47E-06	2.06E-05	0	4.27E-06	-0.00402
EP-terrestrial	Mole of N eq.	0.0383	1.61E-05	2.27E-04	0	4.70E-05	-0.0437
POCP	kg NMVOC eq.	0.00998	4.10E-06	3.96E-05	0	1.29E-05	-0.0119
ADP-minerals&metals	kg Sb-eq.	7.84E-06	1.99E-12	2.18E-11	0	1.08E-10	-2.36E-07
ADP-fossil	MJ	48.6	0.00847	0.0925	0	0.0311	-91.0
WDP	m ³ world equiv.	1.18	1.04E-06	1.13E-05	0	2.56E-04	-0.418

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	44.1	7.45E-06	8.13E-05	-0.0497	0.00507	-30.9
PERM	MJ	0.628	0	0	0	0	0
PERT	MJ	44.7	7.45E-06	8.13E-05	-0.0497	0.00507	-30.9
PENRE	MJ	79.3	0.00847	0.0925	1.54	0.0311	-65.5
PENRM	MJ	-5.27E-05	0	0	-1.54	0	-25.7
PENRT	MJ	79.3	0.00847	0.0925	0	0.0311	-91.2
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.119	1.94E-08	2.12E-07	0	7.85E-06	-0.0625

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.78E-08	5.26E-15	5.73E-14	0	6.76E-13	1.02E-08
NHWD	kg	0.170	9.57E-08	1.04E-06	0	0.155	-1.56
RWD	kg	5.80E-04	2.62E-10	2.85E-09	0	3.55E-07	-0.00701
CRU	kg	0	0	0	0	0	0
MFR	kg	1.64E-06	0	0	0.880	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	4.36	6.25E-04	0.00672	0	0.00231	-6.71
GWP-GHG	kg CO ₂ -eq.	4.37	6.25E-04	0.00673	0	0.00231	-6.74
PM	Disease incidences	3.84E-07	3.42E-11	1.32E-10	0	2.03E-10	-2.52E-07
IRP	kBq U235 eq.	0.0920	2.67E-08	2.91E-07	0	4.11E-05	-1.56
ETP-fw	CTUe	35.8	0.00199	0.0217	0	0.0225	-23.6
HTPc	CTUh	2.20E-09	3.29E-14	3.62E-13	0	2.61E-12	-2.83E-09
HTPnc	CTUh	2.19E-08	7.23E-13	7.80E-12	0	2.75E-10	-5.88E-08
SQP	Pt	9.61	7.29E-06	7.95E-05	0	0.00755	-2.48

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	4.36	6.23E-04	0.00671	0	0.00231	-6.70
ODP	kg CFC11-eq.	7.57E-12	1.62E-17	1.77E-16	0	6.99E-15	-6.44E-12
AP	kg SO ₂ -eq.	0.0186	2.08E-06	2.77E-05	0	1.32E-05	-0.0198
EP	kg PO ₄ ³⁻ -eq.	0.00122	4.92E-07	6.96E-06	0	1.49E-06	-0.00143
POCP	kg C ₂ H ₄ -eq.	0.00103	2.02E-07	-1.13E-05	0	9.91E-07	-0.00120
ADPE	kg Sb-eq.	7.84E-06	1.99E-12	2.18E-11	0	1.10E-10	-2.87E-07
ADPF	MJ	46.7	0.00846	0.0923	0	0.0298	-69.8

EPD results for 1LM of:

NC253 1 Piece Internal Corner Ancillary - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	4.29	6.09E-04	0.00655	0	0.00227	-6.57
GWP-fossil	kg CO ₂ -eq.	4.26	6.09E-04	0.00655	0	0.00224	-6.56
GWP-biogenic	kg CO ₂ -eq.	0.0255	3.00E-08	3.27E-07	0	2.89E-05	-0.0116
GWP-luluc	kg CO ₂ -eq.	2.88E-04	7.08E-09	7.73E-08	0	7.06E-06	-5.99E-04
ODP	kg CFC11-eq.	6.22E-12	1.34E-17	1.47E-16	0	5.78E-15	-5.32E-12
AP	Mole of H+ eq.	0.0216	2.92E-06	3.98E-05	0	1.61E-05	-0.0231
EP-freshwater	kg P eq.	3.87E-06	1.06E-10	1.16E-09	0	4.58E-09	-2.20E-06
EP-marine	kg N eq.	0.00329	1.43E-06	2.01E-05	0	4.16E-06	-0.00391
EP-terrestrial	Mole of N eq.	0.0374	1.57E-05	2.22E-04	0	4.58E-05	-0.0426
POCP	kg NMVOC eq.	0.00975	4.00E-06	3.85E-05	0	1.26E-05	-0.0116
ADP-minerals&metals	kg Sb-eq.	7.66E-06	1.94E-12	2.12E-11	0	1.05E-10	-2.30E-07
ADP-fossil	MJ	47.5	0.00825	0.0900	0	0.0302	-88.7
WDP	m ³ world equiv.	1.15	1.01E-06	1.10E-05	0	2.49E-04	-0.407

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	43.1	7.25E-06	7.91E-05	-0.0484	0.00493	-30.1
PERM	MJ	0.612	0	0	0	0	0
PERT	MJ	43.7	7.25E-06	7.91E-05	-0.0484	0.00493	-30.1
PENRE	MJ	77.4	0.00825	0.0900	1.50	0.0303	-63.8
PENRM	MJ	-5.13E-05	0	0	-1.50	0	-25.1
PENRT	MJ	77.4	0.00825	0.0900	0	0.0303	-88.8
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.116	1.89E-08	2.06E-07	0	7.64E-06	-0.0609

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.74E-08	5.12E-15	5.58E-14	0	6.58E-13	9.91E-09
NHWD	kg	0.169	9.32E-08	1.02E-06	0	0.151	-1.52
RWD	kg	5.68E-04	2.55E-10	2.78E-09	0	3.46E-07	-0.00683
CRU	kg	0	0	0	0	0	0
MFR	kg	1.60E-06	0	0	0.857	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	4.26	6.09E-04	0.00655	0	0.00225	-6.54
GWP-GHG	kg CO ₂ -eq.	4.27	6.09E-04	0.00655	0	0.00225	-6.57
PM	Disease incidences	3.75E-07	3.33E-11	1.28E-10	0	1.98E-10	-2.45E-07
IRP	kBq U235 eq.	0.0900	2.60E-08	2.83E-07	0	4.01E-05	-1.52
ETP-fw	CTUe	35.2	0.00193	0.0211	0	0.0219	-23.0
HTPc	CTUh	2.15E-09	3.21E-14	3.52E-13	0	2.54E-12	-2.76E-09
HTPnc	CTUh	2.15E-08	7.04E-13	7.59E-12	0	2.68E-10	-5.73E-08
SQP	Pt	9.40	7.10E-06	7.74E-05	0	0.00735	-2.42

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	4.26	6.07E-04	0.00653	0	0.00225	-6.52
ODP	kg CFC11-eq.	7.43E-12	1.58E-17	1.73E-16	0	6.81E-15	-6.27E-12
AP	kg SO ₂ -eq.	0.0181	2.02E-06	2.70E-05	0	1.28E-05	-0.0193
EP	kg PO ₄ ³⁻ -eq.	0.00120	4.79E-07	6.78E-06	0	1.45E-06	-0.00139
POCP	kg C ₂ H ₄ -eq.	0.00100	1.97E-07	-1.10E-05	0	9.65E-07	-0.00117
ADPE	kg Sb-eq.	7.65E-06	1.94E-12	2.12E-11	0	1.07E-10	-2.80E-07
ADPF	MJ	45.6	0.00824	0.0899	0	0.0290	-68.0

EPD results for 1LM of:

NC105X Ext'd Jointer Cap Ancillary - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	0.895	1.26E-04	0.00135	0	4.69E-04	-1.36
GWP-fossil	kg CO ₂ -eq.	0.890	1.26E-04	0.00135	0	4.62E-04	-1.35
GWP-biogenic	kg CO ₂ -eq.	0.00543	6.19E-09	6.75E-08	0	5.96E-06	-0.00239
GWP-luluc	kg CO ₂ -eq.	6.09E-05	1.46E-09	1.59E-08	0	1.46E-06	-1.24E-04
ODP	kg CFC11-eq.	1.32E-12	2.77E-18	3.03E-17	0	1.19E-15	-1.10E-12
AP	Mole of H+ eq.	0.00449	6.03E-07	8.21E-06	0	3.32E-06	-0.00476
EP-freshwater	kg P eq.	9.06E-07	2.19E-11	2.39E-10	0	9.44E-10	-4.55E-07
EP-marine	kg N eq.	6.86E-04	2.95E-07	4.15E-06	0	8.59E-07	-8.07E-04
EP-terrestrial	Mole of N eq.	0.00784	3.23E-06	4.57E-05	0	9.45E-06	-0.00879
POCP	kg NMVOC eq.	0.00204	8.25E-07	7.95E-06	0	2.59E-06	-0.00240
ADP-minerals&metals	kg Sb-eq.	1.60E-06	4.01E-13	4.37E-12	0	2.17E-11	-4.75E-08
ADP-fossil	MJ	9.95	0.00170	0.0186	0	0.00624	-18.3
WDP	m ³ world equiv.	0.242	2.08E-07	2.27E-06	0	5.15E-05	-0.0840

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	9.16	1.50E-06	1.63E-05	-0.00999	0.00102	-6.21
PERM	MJ	0.126	0	0	0	0	0
PERT	MJ	9.28	1.50E-06	1.63E-05	-0.00999	0.00102	-6.21
PENRE	MJ	16.1	0.00170	0.0186	0.310	0.00625	-13.2
PENRM	MJ	-1.06E-05	0	0	-0.310	0	-5.17
PENRT	MJ	16.1	0.00170	0.0186	0	0.00625	-18.3
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0245	3.90E-09	4.26E-08	0	1.58E-06	-0.0126

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	3.63E-09	1.06E-15	1.15E-14	0	1.36E-13	2.05E-09
NHWD	kg	0.0377	1.92E-08	2.10E-07	0	0.0312	-0.314
RWD	kg	1.19E-04	5.26E-11	5.73E-10	0	7.14E-08	-0.00141
CRU	kg	0	0	0	0	0	0
MFR	kg	3.30E-07	0	0	0.177	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	0.889	1.26E-04	0.00135	0	4.63E-04	-1.35
GWP-GHG	kg CO ₂ -eq.	0.891	1.26E-04	0.00135	0	4.65E-04	-1.35
PM	Disease incidences	7.76E-08	6.87E-12	2.65E-11	0	4.09E-11	-5.06E-08
IRP	kBq U235 eq.	0.0189	5.36E-09	5.85E-08	0	8.26E-06	-0.313
ETP-fw	CTUe	7.78	3.99E-04	0.00436	0	0.00452	-4.74
HTPc	CTUh	4.49E-10	6.61E-15	7.27E-14	0	5.24E-13	-5.70E-10
HTPnc	CTUh	4.57E-09	1.45E-13	1.57E-12	0	5.53E-11	-1.18E-08
SQP	Pt	1.97	1.46E-06	1.60E-05	0	0.00152	-0.499

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	0.890	1.25E-04	0.00135	0	4.65E-04	-1.35
ODP	kg CFC11-eq.	1.57E-12	3.27E-18	3.56E-17	0	1.41E-15	-1.29E-12
AP	kg SO ₂ -eq.	0.00377	4.17E-07	5.56E-06	0	2.64E-06	-0.00399
EP	kg PO ₄ ³⁻ -eq.	2.51E-04	9.89E-08	1.40E-06	0	3.00E-07	-2.88E-04
POCP	kg C ₂ H ₄ -eq.	2.11E-04	4.07E-08	-2.27E-06	0	1.99E-07	-2.41E-04
ADPE	kg Sb-eq.	1.59E-06	4.01E-13	4.37E-12	0	2.21E-11	-5.77E-08
ADPF	MJ	9.56	0.00170	0.0185	0	0.00598	-14.0

EPD results for 1LM of:

NC103 Jointer Base Ancillary - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	1.18	1.67E-04	0.00180	0	6.25E-04	-1.81
GWP-fossil	kg CO ₂ -eq.	1.18	1.67E-04	0.00180	0	6.15E-04	-1.80
GWP-biogenic	kg CO ₂ -eq.	0.00706	8.24E-09	8.99E-08	0	7.94E-06	-0.00318
GWP-luluc	kg CO ₂ -eq.	7.96E-05	1.95E-09	2.12E-08	0	1.94E-06	-1.65E-04
ODP	kg CFC11-eq.	1.72E-12	3.69E-18	4.03E-17	0	1.59E-15	-1.46E-12
AP	Mole of H+ eq.	0.00595	8.03E-07	1.09E-05	0	4.43E-06	-0.00634
EP-freshwater	kg P eq.	1.11E-06	2.92E-11	3.19E-10	0	1.26E-09	-6.06E-07
EP-marine	kg N eq.	9.06E-04	3.93E-07	5.52E-06	0	1.14E-06	-0.00107
EP-terrestrial	Mole of N eq.	0.0103	4.31E-06	6.09E-05	0	1.26E-05	-0.0117
POCP	kg NMVOC eq.	0.00269	1.10E-06	1.06E-05	0	3.45E-06	-0.00319
ADP-minerals&metals	kg Sb-eq.	2.11E-06	5.34E-13	5.82E-12	0	2.89E-11	-6.33E-08
ADP-fossil	MJ	13.1	0.00227	0.0247	0	0.00831	-24.4
WDP	m ³ world equiv.	0.320	2.77E-07	3.03E-06	0	6.85E-05	-0.112

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	12.0	1.99E-06	2.17E-05	-0.0133	0.00136	-8.27
PERM	MJ	0.168	0	0	0	0	0
PERT	MJ	12.2	1.99E-06	2.17E-05	-0.0133	0.00136	-8.27
PENRE	MJ	21.3	0.00227	0.0247	0.413	0.00832	-17.5
PENRM	MJ	-1.41E-05	0	0	-0.413	0	-6.89
PENRT	MJ	21.3	0.00227	0.0247	0	0.00832	-24.4
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0323	5.20E-09	5.67E-08	0	2.10E-06	-0.0167

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	4.80E-09	1.41E-15	1.53E-14	0	1.81E-13	2.72E-09
NHWD	kg	0.0472	2.56E-08	2.80E-07	0	0.0416	-0.418
RWD	kg	1.57E-04	7.00E-11	7.64E-10	0	9.51E-08	-0.00188
CRU	kg	0	0	0	0	0	0
MFR	kg	4.39E-07	0	0	0.235	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

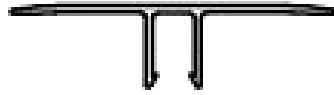
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	1.17	1.67E-04	0.00180	0	6.17E-04	-1.80
GWP-GHG	kg CO ₂ -eq.	1.18	1.67E-04	0.00180	0	6.19E-04	-1.80
PM	Disease incidences	1.03E-07	9.14E-12	3.52E-11	0	5.45E-11	-6.74E-08
IRP	kBq U235 eq.	0.0248	7.14E-09	7.79E-08	0	1.10E-05	-0.417
ETP-fw	CTUe	9.96	5.32E-04	0.00580	0	0.00602	-6.31
HTPc	CTUh	5.93E-10	8.81E-15	9.68E-14	0	6.98E-13	-7.59E-10
HTPnc	CTUh	5.94E-09	1.94E-13	2.09E-12	0	7.37E-11	-1.57E-08
SQP	Pt	2.59	1.95E-06	2.13E-05	0	0.00202	-0.664

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	1.18	1.67E-04	0.00179	0	6.19E-04	-1.79
ODP	kg CFC11-eq.	2.05E-12	4.35E-18	4.74E-17	0	1.87E-15	-1.72E-12
AP	kg SO ₂ -eq.	0.00499	5.56E-07	7.41E-06	0	3.52E-06	-0.00531
EP	kg PO ₄ ³⁻ -eq.	3.31E-04	1.32E-07	1.86E-06	0	4.00E-07	-3.83E-04
POCP	kg C ₂ H ₄ -eq.	2.77E-04	5.42E-08	-3.03E-06	0	2.65E-07	-3.21E-04
ADPE	kg Sb-eq.	2.11E-06	5.34E-13	5.82E-12	0	2.94E-11	-7.69E-08
ADPF	MJ	12.6	0.00226	0.0247	0	0.00797	-18.7

EPD results for 1LM of:

NC105X Ext'd Jointer Cap Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	0.967	1.26E-04	0.00135	0	4.69E-04	-1.36
GWP-fossil	kg CO ₂ -eq.	0.957	1.26E-04	0.00135	0	4.62E-04	-1.35
GWP-biogenic	kg CO ₂ -eq.	0.00963	6.19E-09	6.75E-08	0	5.96E-06	-0.00239
GWP-luluc	kg CO ₂ -eq.	6.63E-05	1.46E-09	1.59E-08	0	1.46E-06	-1.24E-04
ODP	kg CFC11-eq.	1.40E-12	2.77E-18	3.03E-17	0	1.19E-15	-1.10E-12
AP	Mole of H+ eq.	0.00485	6.03E-07	8.21E-06	0	3.32E-06	-0.00476
EP-freshwater	kg P eq.	4.71E-06	2.19E-11	2.39E-10	0	9.44E-10	-4.55E-07
EP-marine	kg N eq.	7.71E-04	2.95E-07	4.15E-06	0	8.59E-07	-8.07E-04
EP-terrestrial	Mole of N eq.	0.00865	3.23E-06	4.57E-05	0	9.45E-06	-0.00879
POCP	kg NMVOC eq.	0.00223	8.25E-07	7.95E-06	0	2.59E-06	-0.00240
ADP-minerals&metals	kg Sb-eq.	1.14E-05	4.01E-13	4.37E-12	0	2.17E-11	-4.75E-08
ADP-fossil	MJ	10.8	0.00170	0.0186	0	0.00624	-18.3
WDP	m ³ world equiv.	0.0621	2.08E-07	2.27E-06	0	5.15E-05	-0.0840

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	9.60	1.50E-06	1.63E-05	-0.00999	0.00102	-6.21
PERM	MJ	0.126	0	0	0	0	0
PERT	MJ	9.73	1.50E-06	1.63E-05	-0.00999	0.00102	-6.21
PENRE	MJ	17.0	0.00170	0.0186	0.310	0.00625	-13.2
PENRM	MJ	0	0	0	-0.310	0	-5.17
PENRT	MJ	17.0	0.00170	0.0186	0	0.00625	-18.3
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0255	3.90E-09	4.26E-08	0	1.58E-06	-0.0126

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	8.20E-09	1.06E-15	1.15E-14	0	1.36E-13	2.05E-09
NHWD	kg	0.0503	1.92E-08	2.10E-07	0	0.0312	-0.314
RWD	kg	1.16E-04	5.26E-11	5.73E-10	0	7.14E-08	-0.00141
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.177	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

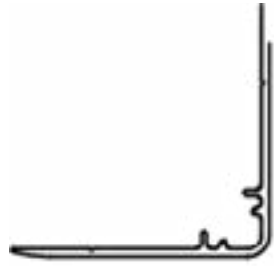
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	0.959	1.26E-04	0.00135	0	4.63E-04	-1.35
GWP-GHG	kg CO ₂ -eq.	0.962	1.26E-04	0.00135	0	4.65E-04	-1.35
PM	Disease incidences	8.01E-08	6.87E-12	2.65E-11	0	4.09E-11	-5.06E-08
IRP	kBq U235 eq.	0.0184	5.36E-09	5.85E-08	0	8.26E-06	-0.313
ETP-fw	CTUe	8.56	3.99E-04	0.00436	0	0.00452	-4.74
HTPc	CTUh	4.66E-10	6.61E-15	7.27E-14	0	5.24E-13	-5.70E-10
HTPnc	CTUh	4.55E-09	1.45E-13	1.57E-12	0	5.53E-11	-1.18E-08
SQP	Pt	2.06	1.46E-06	1.60E-05	0	0.00152	-0.499

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	0.960	1.25E-04	0.00135	0	4.65E-04	-1.35
ODP	kg CFC11-eq.	1.67E-12	3.27E-18	3.56E-17	0	1.41E-15	-1.29E-12
AP	kg SO ₂ -eq.	0.00406	4.17E-07	5.56E-06	0	2.64E-06	-0.00399
EP	kg PO ₄ ³⁻ -eq.	3.07E-04	9.89E-08	1.40E-06	0	3.00E-07	-2.88E-04
POCP	kg C ₂ H ₄ -eq.	2.23E-04	4.07E-08	-2.27E-06	0	1.99E-07	-2.41E-04
ADPE	kg Sb-eq.	1.14E-05	4.01E-13	4.37E-12	0	2.21E-11	-5.77E-08
ADPF	MJ	10.4	0.00170	0.0185	0	0.00598	-14.0

EPD results for 1LM of:

NC107X Ext'd Female Corner Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	1.87	2.50E-04	0.00269	0	9.34E-04	-2.70
GWP-fossil	kg CO ₂ -eq.	1.86	2.50E-04	0.00269	0	9.19E-04	-2.69
GWP-biogenic	kg CO ₂ -eq.	0.0167	1.23E-08	1.34E-07	0	1.19E-05	-0.00476
GWP-luluc	kg CO ₂ -eq.	1.25E-04	2.91E-09	3.17E-08	0	2.90E-06	-2.46E-04
ODP	kg CFC11-eq.	2.69E-12	5.52E-18	6.02E-17	0	2.38E-15	-2.19E-12
AP	Mole of H+ eq.	0.00942	1.20E-06	1.63E-05	0	6.62E-06	-0.00947
EP-freshwater	kg P eq.	7.19E-06	4.36E-11	4.76E-10	0	1.88E-09	-9.05E-07
EP-marine	kg N eq.	0.00148	5.88E-07	8.26E-06	0	1.71E-06	-0.00161
EP-terrestrial	Mole of N eq.	0.0166	6.44E-06	9.10E-05	0	1.88E-05	-0.0175
POCP	kg NMVOC eq.	0.00430	1.64E-06	1.58E-05	0	5.16E-06	-0.00477
ADP-minerals&metals	kg Sb-eq.	1.74E-05	7.97E-13	8.70E-12	0	4.31E-11	-9.46E-08
ADP-fossil	MJ	20.8	0.00339	0.0370	0	0.0124	-36.4
WDP	m ³ world equiv.	0.216	4.14E-07	4.52E-06	0	1.02E-04	-0.167

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	18.6	2.98E-06	3.25E-05	-0.0199	0.00203	-12.4
PERM	MJ	0.251	0	0	0	0	0
PERT	MJ	18.8	2.98E-06	3.25E-05	-0.0199	0.00203	-12.4
PENRE	MJ	33.1	0.00339	0.0370	0.617	0.0124	-26.2
PENRM	MJ	0	0	0	-0.617	0	-10.3
PENRT	MJ	33.1	0.00339	0.0370	0	0.0124	-36.5
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0496	7.77E-09	8.48E-08	0	3.14E-06	-0.0250

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.38E-08	2.10E-15	2.29E-14	0	2.70E-13	4.07E-09
NHWD	kg	0.0890	3.83E-08	4.18E-07	0	0.0622	-0.625
RWD	kg	2.30E-04	1.05E-10	1.14E-09	0	1.42E-07	-0.00280
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.352	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	1.86	2.50E-04	0.00269	0	9.22E-04	-2.68
GWP-GHG	kg CO ₂ -eq.	1.86	2.50E-04	0.00269	0	9.25E-04	-2.70
PM	Disease incidences	1.58E-07	1.37E-11	5.27E-11	0	8.14E-11	-1.01E-07
IRP	kBq U235 eq.	0.0364	1.07E-08	1.16E-07	0	1.64E-05	-0.623
ETP-fw	CTUe	16.0	7.95E-04	0.00867	0	0.00900	-9.43
HTPc	CTUh	9.12E-10	1.32E-14	1.45E-13	0	1.04E-12	-1.13E-09
HTPnc	CTUh	8.85E-09	2.89E-13	3.12E-12	0	1.10E-10	-2.35E-08
SQP	Pt	4.01	2.91E-06	3.18E-05	0	0.00302	-0.992

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	1.86	2.49E-04	0.00268	0	9.26E-04	-2.68
ODP	kg CFC11-eq.	3.21E-12	6.50E-18	7.09E-17	0	2.80E-15	-2.57E-12
AP	kg SO ₂ -eq.	0.00789	8.31E-07	1.11E-05	0	5.26E-06	-0.00793
EP	kg PO ₄ ³⁻ -eq.	5.75E-04	1.97E-07	2.79E-06	0	5.98E-07	-5.72E-04
POCP	kg C ₂ H ₄ -eq.	4.33E-04	8.09E-08	-4.52E-06	0	3.96E-07	-4.79E-04
ADPE	kg Sb-eq.	1.74E-05	7.98E-13	8.70E-12	0	4.39E-11	-1.15E-07
ADPF	MJ	20.1	0.00338	0.0369	0	0.0119	-27.9

EPD results for 1LM of:

NC109X Ext'd Male Corner Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	2.19	2.91E-04	0.00313	0	0.00109	-3.14
GWP-fossil	kg CO ₂ -eq.	2.17	2.91E-04	0.00313	0	0.00107	-3.14
GWP-biogenic	kg CO ₂ -eq.	0.0198	1.43E-08	1.57E-07	0	1.38E-05	-0.00554
GWP-luluc	kg CO ₂ -eq.	1.47E-04	3.39E-09	3.69E-08	0	3.37E-06	-2.87E-04
ODP	kg CFC11-eq.	3.14E-12	6.43E-18	7.01E-17	0	2.77E-15	-2.55E-12
AP	Mole of H ⁺ eq.	0.0110	1.40E-06	1.90E-05	0	7.70E-06	-0.0110
EP-freshwater	kg P eq.	8.71E-06	5.08E-11	5.54E-10	0	2.19E-09	-1.05E-06
EP-marine	kg N eq.	0.00173	6.84E-07	9.61E-06	0	1.99E-06	-0.00187
EP-terrestrial	Mole of N eq.	0.0195	7.50E-06	1.06E-04	0	2.19E-05	-0.0204
POCP	kg NMVOC eq.	0.00502	1.91E-06	1.84E-05	0	6.01E-06	-0.00556
ADP-minerals&metals	kg Sb-eq.	2.11E-05	9.28E-13	1.01E-11	0	5.02E-11	-1.10E-07
ADP-fossil	MJ	24.4	0.00395	0.0431	0	0.0145	-42.4
WDP	m ³ world equiv.	0.237	4.82E-07	5.26E-06	0	1.19E-04	-0.195

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	21.7	3.47E-06	3.78E-05	-0.0232	0.00236	-14.4
PERM	MJ	0.292	0	0	0	0	0
PERT	MJ	22.0	3.47E-06	3.78E-05	-0.0232	0.00236	-14.4
PENRE	MJ	38.7	0.00395	0.0431	0.718	0.0145	-30.5
PENRM	MJ	0	0	0	-0.718	0	-12.0
PENRT	MJ	38.7	0.00395	0.0431	0	0.0145	-42.5
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0579	9.05E-09	9.87E-08	0	3.66E-06	-0.0291

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.65E-08	2.45E-15	2.67E-14	0	3.15E-13	4.74E-09
NHWD	kg	0.105	4.46E-08	4.86E-07	0	0.0724	-0.727
RWD	kg	2.68E-04	1.22E-10	1.33E-09	0	1.66E-07	-0.00326
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.410	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	2.17	2.91E-04	0.00313	0	0.00107	-3.13
GWP-GHG	kg CO ₂ -eq.	2.18	2.91E-04	0.00313	0	0.00108	-3.14
PM	Disease incidences	1.84E-07	1.59E-11	6.13E-11	0	9.47E-11	-1.17E-07
IRP	kBq U235 eq.	0.0424	1.24E-08	1.35E-07	0	1.92E-05	-0.726
ETP-fw	CTUe	18.8	9.25E-04	0.0101	0	0.0105	-11.0
HTPc	CTUh	1.06E-09	1.53E-14	1.68E-13	0	1.21E-12	-1.32E-09
HTPnc	CTUh	1.03E-08	3.37E-13	3.63E-12	0	1.28E-10	-2.74E-08
SQP	Pt	4.68	3.39E-06	3.70E-05	0	0.00351	-1.16

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life		End-of-life		Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	2.17	2.90E-04	0.00312	0	0.00108	-3.12
ODP	kg CFC11-eq.	3.75E-12	7.57E-18	8.26E-17	0	3.26E-15	-3.00E-12
AP	kg SO ₂ -eq.	0.00922	9.67E-07	1.29E-05	0	6.13E-06	-0.00924
EP	kg PO ₄ ³⁻ -eq.	6.76E-04	2.29E-07	3.24E-06	0	6.96E-07	-6.67E-04
POCP	kg C ₂ H ₄ -eq.	5.05E-04	9.42E-08	-5.27E-06	0	4.62E-07	-5.58E-04
ADPE	kg Sb-eq.	2.11E-05	9.29E-13	1.01E-11	0	5.11E-11	-1.34E-07
ADPF	MJ	23.5	0.00394	0.0430	0	0.0139	-32.5

EPD results for 1LM of:

NC134 Base Channel Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	2.33	3.12E-04	0.00335	0	0.00116	-3.36
GWP-fossil	kg CO ₂ -eq.	2.31	3.12E-04	0.00335	0	0.00115	-3.36
GWP-biogenic	kg CO ₂ -eq.	0.0205	1.54E-08	1.68E-07	0	1.48E-05	-0.00593
GWP-luluc	kg CO ₂ -eq.	1.56E-04	3.62E-09	3.96E-08	0	3.61E-06	-3.07E-04
ODP	kg CFC11-eq.	3.33E-12	6.88E-18	7.51E-17	0	2.96E-15	-2.73E-12
AP	Mole of H+ eq.	0.0117	1.50E-06	2.04E-05	0	8.25E-06	-0.0118
EP-freshwater	kg P eq.	8.69E-06	5.44E-11	5.93E-10	0	2.34E-09	-1.13E-06
EP-marine	kg N eq.	0.00184	7.33E-07	1.03E-05	0	2.13E-06	-0.00200
EP-terrestrial	Mole of N eq.	0.0207	8.02E-06	1.13E-04	0	2.34E-05	-0.0218
POCP	kg NMVOC eq.	0.00534	2.05E-06	1.97E-05	0	6.43E-06	-0.00595
ADP-minerals&metals	kg Sb-eq.	2.10E-05	9.94E-13	1.08E-11	0	5.38E-11	-1.18E-07
ADP-fossil	MJ	25.9	0.00422	0.0461	0	0.0155	-45.4
WDP	m ³ world equiv.	0.280	5.17E-07	5.64E-06	0	1.28E-04	-0.208

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	23.1	3.71E-06	4.05E-05	-0.0248	0.00253	-15.4
PERM	MJ	0.313	0	0	0	0	0
PERT	MJ	23.4	3.71E-06	4.05E-05	-0.0248	0.00253	-15.4
PENRE	MJ	41.2	0.00422	0.0461	0.769	0.0155	-32.6
PENRM	MJ	0	0	0	-0.769	0	-12.8
PENRT	MJ	41.2	0.00422	0.0461	0	0.0155	-45.5
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0617	9.69E-09	1.06E-07	0	3.91E-06	-0.0312

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.69E-08	2.62E-15	2.86E-14	0	3.37E-13	5.07E-09
NHWD	kg	0.110	4.77E-08	5.21E-07	0	0.0775	-0.779
RWD	kg	2.86E-04	1.30E-10	1.42E-09	0	1.77E-07	-0.00349
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.439	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	2.31	3.12E-04	0.00335	0	0.00115	-3.35
GWP-GHG	kg CO ₂ -eq.	2.31	3.12E-04	0.00335	0	0.00115	-3.36
PM	Disease incidences	1.96E-07	1.70E-11	6.56E-11	0	1.01E-10	-1.26E-07
IRP	kBq U235 eq.	0.0453	1.33E-08	1.45E-07	0	2.05E-05	-0.777
ETP-fw	CTUe	19.8	9.90E-04	0.0108	0	0.0112	-11.8
HTPc	CTUh	1.14E-09	1.64E-14	1.80E-13	0	1.30E-12	-1.41E-09
HTPnc	CTUh	1.10E-08	3.61E-13	3.89E-12	0	1.37E-10	-2.93E-08
SQP	Pt	4.99	3.63E-06	3.96E-05	0	0.00376	-1.24

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	2.31	3.11E-04	0.00334	0	0.00115	-3.34
ODP	kg CFC11-eq.	3.98E-12	8.10E-18	8.84E-17	0	3.49E-15	-3.21E-12
AP	kg SO ₂ -eq.	0.00982	1.04E-06	1.38E-05	0	6.56E-06	-0.00989
EP	kg PO ₄ ³⁻ -eq.	7.13E-04	2.45E-07	3.47E-06	0	7.45E-07	-7.14E-04
POCP	kg C ₂ H ₄ -eq.	5.38E-04	1.01E-07	-5.64E-06	0	4.94E-07	-5.97E-04
ADPE	kg Sb-eq.	2.11E-05	9.94E-13	1.08E-11	0	5.47E-11	-1.43E-07
ADPF	MJ	24.9	0.00422	0.0460	0	0.0148	-34.8

EPD results for 1LM of:

NC138 Termination Base Flashing *Ancillary - Anodised*



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	1.03	1.36E-04	0.00147	0	5.10E-04	-1.47
GWP-fossil	kg CO ₂ -eq.	1.02	1.36E-04	0.00147	0	5.02E-04	-1.47
GWP-biogenic	kg CO ₂ -eq.	0.00941	6.73E-09	7.34E-08	0	6.48E-06	-0.00260
GWP-luluc	kg CO ₂ -eq.	6.93E-05	1.59E-09	1.73E-08	0	1.58E-06	-1.34E-04
ODP	kg CFC11-eq.	1.48E-12	3.01E-18	3.29E-17	0	1.30E-15	-1.19E-12
AP	Mole of H+ eq.	0.00517	6.55E-07	8.92E-06	0	3.61E-06	-0.00517
EP-freshwater	kg P eq.	4.20E-06	2.38E-11	2.60E-10	0	1.03E-09	-4.94E-07
EP-marine	kg N eq.	8.14E-04	3.21E-07	4.51E-06	0	9.33E-07	-8.77E-04
EP-terrestrial	Mole of N eq.	0.00916	3.51E-06	4.97E-05	0	1.03E-05	-0.00955
POCP	kg NMVOC eq.	0.00236	8.96E-07	8.64E-06	0	2.82E-06	-0.00261
ADP-minerals&metals	kg Sb-eq.	1.02E-05	4.35E-13	4.75E-12	0	2.36E-11	-5.16E-08
ADP-fossil	MJ	11.5	0.00185	0.0202	0	0.00678	-19.9
WDP	m ³ world equiv.	0.106	2.26E-07	2.47E-06	0	5.59E-05	-0.0912

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	10.2	1.63E-06	1.77E-05	-0.0109	0.00111	-6.75
PERM	MJ	0.137	0	0	0	0	0
PERT	MJ	10.3	1.63E-06	1.77E-05	-0.0109	0.00111	-6.75
PENRE	MJ	18.2	0.00185	0.0202	0.337	0.00679	-14.3
PENRM	MJ	0	0	0	-0.337	0	-5.62
PENRT	MJ	18.2	0.00185	0.0202	0	0.00679	-19.9
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0272	4.24E-09	4.63E-08	0	1.71E-06	-0.0137

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	7.86E-09	1.15E-15	1.25E-14	0	1.48E-13	2.22E-09
NHWD	kg	0.0500	2.09E-08	2.28E-07	0	0.0339	-0.341
RWD	kg	1.26E-04	5.71E-11	6.23E-10	0	7.76E-08	-0.00153
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.192	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	1.02	1.36E-04	0.00147	0	5.03E-04	-1.47
GWP-GHG	kg CO ₂ -eq.	1.02	1.36E-04	0.00147	0	5.05E-04	-1.47
PM	Disease incidences	8.63E-08	7.46E-12	2.87E-11	0	4.44E-11	-5.50E-08
IRP	kBq U235 eq.	0.0199	5.82E-09	6.35E-08	0	8.98E-06	-0.340
ETP-fw	CTUe	8.87	4.34E-04	0.00473	0	0.00491	-5.15
HTPc	CTUh	5.00E-10	7.19E-15	7.90E-14	0	5.70E-13	-6.19E-10
HTPnc	CTUh	4.86E-09	1.58E-13	1.70E-12	0	6.01E-11	-1.28E-08
SQP	Pt	2.20	1.59E-06	1.74E-05	0	0.00165	-0.542

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	1.02	1.36E-04	0.00146	0	5.05E-04	-1.46
ODP	kg CFC11-eq.	1.77E-12	3.55E-18	3.87E-17	0	1.53E-15	-1.41E-12
AP	kg SO ₂ -eq.	0.00433	4.53E-07	6.04E-06	0	2.87E-06	-0.00433
EP	kg PO ₄ ³⁻ -eq.	3.19E-04	1.07E-07	1.52E-06	0	3.26E-07	-3.13E-04
POCP	kg C ₂ H ₄ -eq.	2.38E-04	4.42E-08	-2.47E-06	0	2.16E-07	-2.62E-04
ADPE	kg Sb-eq.	1.02E-05	4.35E-13	4.75E-12	0	2.40E-11	-6.27E-08
ADPF	MJ	11.0	0.00185	0.0201	0	0.00650	-15.2

EPD results for 1LM of:

NC139 Termination Cap Flashing *Ancillary - Anodised*



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	0.821	1.07E-04	0.00116	0	4.02E-04	-1.16
GWP-fossil	kg CO ₂ -eq.	0.813	1.07E-04	0.00116	0	3.95E-04	-1.16
GWP-biogenic	kg CO ₂ -eq.	0.00791	5.30E-09	5.78E-08	0	5.10E-06	-0.00205
GWP-luluc	kg CO ₂ -eq.	5.59E-05	1.25E-09	1.36E-08	0	1.25E-06	-1.06E-04
ODP	kg CFC11-eq.	1.18E-12	2.37E-18	2.59E-17	0	1.02E-15	-9.40E-13
AP	Mole of H ⁺ eq.	0.00412	5.16E-07	7.03E-06	0	2.84E-06	-0.00407
EP-freshwater	kg P eq.	3.74E-06	1.88E-11	2.05E-10	0	8.08E-10	-3.89E-07
EP-marine	kg N eq.	6.53E-04	2.53E-07	3.55E-06	0	7.35E-07	-6.91E-04
EP-terrestrial	Mole of N eq.	0.00733	2.77E-06	3.91E-05	0	8.09E-06	-0.00752
POCP	kg NMVOC eq.	0.00189	7.06E-07	6.81E-06	0	2.22E-06	-0.00205
ADP-minerals&metals	kg Sb-eq.	9.06E-06	3.43E-13	3.74E-12	0	1.86E-11	-4.07E-08
ADP-fossil	MJ	9.16	0.00146	0.0159	0	0.00534	-15.7
WDP	m ³ world equiv.	0.0652	1.78E-07	1.94E-06	0	4.40E-05	-0.0719

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	8.15	1.28E-06	1.40E-05	-0.00855	8.71E-04	-5.32
PERM	MJ	0.108	0	0	0	0	0
PERT	MJ	8.25	1.28E-06	1.40E-05	-0.00855	8.71E-04	-5.32
PENRE	MJ	14.4	0.00146	0.0159	0.265	0.00535	-11.3
PENRM	MJ	0	0	0	-0.265	0	-4.43
PENRT	MJ	14.4	0.00146	0.0159	0	0.00535	-15.7
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0217	3.34E-09	3.65E-08	0	1.35E-06	-0.0108

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.69E-09	9.04E-16	9.86E-15	0	1.16E-13	1.75E-09
NHWD	kg	0.0416	1.65E-08	1.80E-07	0	0.0267	-0.269
RWD	kg	9.93E-05	4.50E-11	4.91E-10	0	6.11E-08	-0.00121
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.151	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	0.814	1.07E-04	0.00116	0	3.97E-04	-1.15
GWP-GHG	kg CO ₂ -eq.	0.816	1.08E-04	0.00116	0	3.98E-04	-1.16
PM	Disease incidences	6.83E-08	5.88E-12	2.26E-11	0	3.50E-11	-4.33E-08
IRP	kBq U235 eq.	0.0157	4.59E-09	5.00E-08	0	7.07E-06	-0.268
ETP-fw	CTUe	7.19	3.42E-04	0.00373	0	0.00387	-4.06
HTPc	CTUh	3.97E-10	5.66E-15	6.22E-14	0	4.49E-13	-4.87E-10
HTPnc	CTUh	3.87E-09	1.24E-13	1.34E-12	0	4.74E-11	-1.01E-08
SQP	Pt	1.75	1.25E-06	1.37E-05	0	0.00130	-0.427

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	0.815	1.07E-04	0.00115	0	3.98E-04	-1.15
ODP	kg CFC11-eq.	1.41E-12	2.79E-18	3.05E-17	0	1.20E-15	-1.11E-12
AP	kg SO ₂ -eq.	0.00345	3.57E-07	4.76E-06	0	2.26E-06	-0.00341
EP	kg PO ₄ ³⁻ -eq.	2.58E-04	8.46E-08	1.20E-06	0	2.57E-07	-2.46E-04
POCP	kg C ₂ H ₄ -eq.	1.89E-04	3.48E-08	-1.94E-06	0	1.70E-07	-2.06E-04
ADPE	kg Sb-eq.	9.07E-06	3.43E-13	3.74E-12	0	1.89E-11	-4.94E-08
ADPF	MJ	8.84	0.00145	0.0159	0	0.00512	-12.0

EPD results for 1LM of:

NC230 Inter-Storey Jointer Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	2.49	3.32E-04	0.00357	0	0.00124	-3.59
GWP-fossil	kg CO ₂ -eq.	2.47	3.32E-04	0.00357	0	0.00122	-3.58
GWP-biogenic	kg CO ₂ -eq.	0.0225	1.64E-08	1.79E-07	0	1.58E-05	-0.00632
GWP-luluc	kg CO ₂ -eq.	1.68E-04	3.86E-09	4.22E-08	0	3.85E-06	-3.27E-04
ODP	kg CFC11-eq.	3.58E-12	7.33E-18	8.00E-17	0	3.16E-15	-2.91E-12
AP	Mole of H+ eq.	0.0126	1.59E-06	2.17E-05	0	8.79E-06	-0.0126
EP-freshwater	kg P eq.	9.87E-06	5.80E-11	6.33E-10	0	2.50E-09	-1.20E-06
EP-marine	kg N eq.	0.00197	7.81E-07	1.10E-05	0	2.27E-06	-0.00213
EP-terrestrial	Mole of N eq.	0.0222	8.55E-06	1.21E-04	0	2.50E-05	-0.0232
POCP	kg NMVOC eq.	0.00573	2.18E-06	2.10E-05	0	6.85E-06	-0.00634
ADP-minerals&metals	kg Sb-eq.	2.39E-05	1.06E-12	1.16E-11	0	5.73E-11	-1.26E-07
ADP-fossil	MJ	27.8	0.00450	0.0491	0	0.0165	-48.4
WDP	m ³ world equiv.	0.273	5.51E-07	6.01E-06	0	1.36E-04	-0.222

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	24.8	3.96E-06	4.32E-05	-0.0264	0.00269	-16.4
PERM	MJ	0.334	0	0	0	0	0
PERT	MJ	25.1	3.96E-06	4.32E-05	-0.0264	0.00269	-16.4
PENRE	MJ	44.1	0.00450	0.0491	0.819	0.0165	-34.8
PENRM	MJ	0	0	0	-0.819	0	-13.7
PENRT	MJ	44.1	0.00450	0.0491	0	0.0165	-48.5
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0660	1.03E-08	1.13E-07	0	4.17E-06	-0.0332

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.87E-08	2.79E-15	3.05E-14	0	3.59E-13	5.41E-09
NHWD	kg	0.120	5.09E-08	5.55E-07	0	0.0826	-0.830
RWD	kg	3.05E-04	1.39E-10	1.52E-09	0	1.89E-07	-0.00372
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.468	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	2.47	3.32E-04	0.00357	0	0.00123	-3.57
GWP-GHG	kg CO ₂ -eq.	2.48	3.32E-04	0.00357	0	0.00123	-3.58
PM	Disease incidences	2.10E-07	1.82E-11	7.00E-11	0	1.08E-10	-1.34E-07
IRP	kBq U235 eq.	0.0484	1.42E-08	1.55E-07	0	2.19E-05	-0.828
ETP-fw	CTUe	21.4	0.00106	0.0115	0	0.0120	-12.5
HTPc	CTUh	1.21E-09	1.75E-14	1.92E-13	0	1.39E-12	-1.51E-09
HTPnc	CTUh	1.18E-08	3.84E-13	4.14E-12	0	1.46E-10	-3.13E-08
SQP	Pt	5.34	3.87E-06	4.22E-05	0	0.00401	-1.32

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	2.48	3.31E-04	0.00356	0	0.00123	-3.56
ODP	kg CFC11-eq.	4.28E-12	8.63E-18	9.42E-17	0	3.72E-15	-3.42E-12
AP	kg SO ₂ -eq.	0.0105	1.10E-06	1.47E-05	0	6.99E-06	-0.0105
EP	kg PO ₄ ³⁻ -eq.	7.70E-04	2.61E-07	3.70E-06	0	7.94E-07	-7.61E-04
POCP	kg C ₂ H ₄ -eq.	5.76E-04	1.08E-07	-6.01E-06	0	5.27E-07	-6.36E-04
ADPE	kg Sb-eq.	2.39E-05	1.06E-12	1.16E-11	0	5.83E-11	-1.53E-07
ADPF	MJ	26.8	0.00449	0.0490	0	0.0158	-37.1

EPD results for 1LM of:

NC233 One Piece External Corner Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	2.68	3.59E-04	0.00386	0	0.00134	-3.87
GWP-fossil	kg CO ₂ -eq.	2.66	3.59E-04	0.00386	0	0.00132	-3.86
GWP-biogenic	kg CO ₂ -eq.	0.0239	1.77E-08	1.93E-07	0	1.70E-05	-0.00682
GWP-luluc	kg CO ₂ -eq.	1.80E-04	4.17E-09	4.55E-08	0	4.16E-06	-3.53E-04
ODP	kg CFC11-eq.	3.85E-12	7.92E-18	8.64E-17	0	3.41E-15	-3.14E-12
AP	Mole of H+ eq.	0.0135	1.72E-06	2.34E-05	0	9.49E-06	-0.0136
EP-freshwater	kg P eq.	1.03E-05	6.26E-11	6.83E-10	0	2.70E-09	-1.30E-06
EP-marine	kg N eq.	0.00212	8.43E-07	1.18E-05	0	2.45E-06	-0.00230
EP-terrestrial	Mole of N eq.	0.0239	9.24E-06	1.31E-04	0	2.70E-05	-0.0251
POCP	kg NMVOC eq.	0.00616	2.36E-06	2.27E-05	0	7.40E-06	-0.00685
ADP-minerals&metals	kg Sb-eq.	2.49E-05	1.14E-12	1.25E-11	0	6.19E-11	-1.36E-07
ADP-fossil	MJ	29.9	0.00486	0.0531	0	0.0178	-52.3
WDP	m ³ world equiv.	0.312	5.95E-07	6.49E-06	0	1.47E-04	-0.240

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	26.6	4.27E-06	4.66E-05	-0.0285	0.00291	-17.7
PERM	MJ	0.360	0	0	0	0	0
PERT	MJ	27.0	4.27E-06	4.66E-05	-0.0285	0.00291	-17.7
PENRE	MJ	47.5	0.00486	0.0531	0.885	0.0178	-37.6
PENRM	MJ	0	0	0	-0.885	0	-14.8
PENRT	MJ	47.5	0.00486	0.0531	0	0.0178	-52.3
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0711	1.12E-08	1.22E-07	0	4.50E-06	-0.0359

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.98E-08	3.02E-15	3.29E-14	0	3.88E-13	5.84E-09
NHWD	kg	0.127	5.49E-08	5.99E-07	0	0.0892	-0.897
RWD	kg	3.30E-04	1.50E-10	1.64E-09	0	2.04E-07	-0.00402
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.505	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	2.66	3.59E-04	0.00386	0	0.00132	-3.85
GWP-GHG	kg CO ₂ -eq.	2.67	3.59E-04	0.00386	0	0.00133	-3.87
PM	Disease incidences	2.26E-07	1.96E-11	7.56E-11	0	1.17E-10	-1.45E-07
IRP	kBq U235 eq.	0.0522	1.53E-08	1.67E-07	0	2.36E-05	-0.894
ETP-fw	CTUe	23.0	0.00114	0.0124	0	0.0129	-13.5
HTPc	CTUh	1.31E-09	1.89E-14	2.08E-13	0	1.50E-12	-1.63E-09
HTPnc	CTUh	1.27E-08	4.15E-13	4.48E-12	0	1.58E-10	-3.38E-08
SQP	Pt	5.75	4.18E-06	4.56E-05	0	0.00433	-1.42

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	2.67	3.57E-04	0.00385	0	0.00133	-3.84
ODP	kg CFC11-eq.	4.60E-12	9.32E-18	1.02E-16	0	4.01E-15	-3.69E-12
AP	kg SO ₂ -eq.	0.0113	1.19E-06	1.59E-05	0	7.55E-06	-0.0114
EP	kg PO ₄ ³⁻ -eq.	8.25E-04	2.82E-07	4.00E-06	0	8.57E-07	-8.21E-04
POCP	kg C ₂ H ₄ -eq.	6.20E-04	1.16E-07	-6.49E-06	0	5.69E-07	-6.87E-04
ADPE	kg Sb-eq.	2.49E-05	1.14E-12	1.25E-11	0	6.30E-11	-1.65E-07
ADPF	MJ	28.8	0.00485	0.0530	0	0.0171	-40.1

EPD results for 1LM of:

NC237P Punched Head Channel Base Ancillary - Powder Coated



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	3.99	5.40E-04	0.00582	0	0.00202	-5.83
GWP-fossil	kg CO ₂ -eq.	3.96	5.40E-04	0.00582	0	0.00199	-5.82
GWP-biogenic	kg CO ₂ -eq.	0.0334	2.66E-08	2.91E-07	0	2.57E-05	-0.0103
GWP-luluc	kg CO ₂ -eq.	2.64E-04	6.29E-09	6.86E-08	0	6.27E-06	-5.32E-04
ODP	kg CFC11-eq.	5.70E-12	1.19E-17	1.30E-16	0	5.13E-15	-4.73E-12
AP	Mole of H+ eq.	0.0201	2.59E-06	3.53E-05	0	1.43E-05	-0.0205
EP-freshwater	kg P eq.	1.33E-05	9.43E-11	1.03E-09	0	4.06E-09	-1.96E-06
EP-marine	kg N eq.	0.00314	1.27E-06	1.78E-05	0	3.70E-06	-0.00347
EP-terrestrial	Mole of N eq.	0.0354	1.39E-05	1.97E-04	0	4.07E-05	-0.0378
POCP	kg NMVOC eq.	0.00914	3.55E-06	3.42E-05	0	1.12E-05	-0.0103
ADP-minerals&metals	kg Sb-eq.	3.22E-05	1.72E-12	1.88E-11	0	9.33E-11	-2.04E-07
ADP-fossil	MJ	44.3	0.00733	0.0799	0	0.0269	-78.7
WDP	m ³ world equiv.	0.562	8.96E-07	9.78E-06	0	2.21E-04	-0.361

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	39.6	6.44E-06	7.03E-05	-0.0430	0.00438	-26.7
PERM	MJ	0.543	0	0	0	0	0
PERT	MJ	40.1	6.44E-06	7.03E-05	-0.0430	0.00438	-26.7
PENRE	MJ	70.9	0.00733	0.0799	1.33	0.0269	-56.6
PENRM	MJ	0	0	0	-1.33	0	-22.3
PENRT	MJ	70.9	0.00733	0.0799	0	0.0269	-78.9
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.106	1.68E-08	1.83E-07	0	6.79E-06	-0.0541

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	2.73E-08	4.54E-15	4.96E-14	0	5.84E-13	8.80E-09
NHWD	kg	0.181	8.28E-08	9.03E-07	0	0.134	-1.35
RWD	kg	4.95E-04	2.26E-10	2.47E-09	0	3.07E-07	-0.00606
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.761	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	3.96	5.40E-04	0.00582	0	0.00199	-5.80
GWP-GHG	kg CO ₂ -eq.	3.97	5.41E-04	0.00582	0	0.00200	-5.83
PM	Disease incidences	3.39E-07	2.95E-11	1.14E-10	0	1.76E-10	-2.18E-07
IRP	kBq U235 eq.	0.0784	2.31E-08	2.52E-07	0	3.56E-05	-1.35
ETP-fw	CTUe	33.6	0.00172	0.0187	0	0.0195	-20.4
HTPc	CTUh	1.96E-09	2.85E-14	3.13E-13	0	2.26E-12	-2.45E-09
HTPnc	CTUh	1.89E-08	6.25E-13	6.74E-12	0	2.38E-10	-5.09E-08
SQP	Pt	8.57	6.30E-06	6.87E-05	0	0.00652	-2.15

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	3.97	5.39E-04	0.00580	0	0.00200	-5.79
ODP	kg CFC11-eq.	6.82E-12	1.40E-17	1.53E-16	0	6.05E-15	-5.57E-12
AP	kg SO ₂ -eq.	0.0169	1.80E-06	2.39E-05	0	1.14E-05	-0.0172
EP	kg PO ₄ ³⁻ -eq.	0.00121	4.26E-07	6.02E-06	0	1.29E-06	-0.00124
POCP	kg C ₂ H ₄ -eq.	9.23E-04	1.75E-07	-9.78E-06	0	8.57E-07	-0.00104
ADPE	kg Sb-eq.	3.22E-05	1.72E-12	1.88E-11	0	9.49E-11	-2.48E-07
ADPF	MJ	42.7	0.00731	0.0798	0	0.0257	-60.4

EPD results for 1LM of:

NC247 Jamb Flashing Base Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	1.48	1.99E-04	0.00214	0	7.45E-04	-2.15
GWP-fossil	kg CO ₂ -eq.	1.47	1.99E-04	0.00214	0	7.33E-04	-2.15
GWP-biogenic	kg CO ₂ -eq.	0.0126	9.82E-09	1.07E-07	0	9.46E-06	-0.00379
GWP-luluc	kg CO ₂ -eq.	9.82E-05	2.32E-09	2.53E-08	0	2.31E-06	-1.96E-04
ODP	kg CFC11-eq.	2.11E-12	4.40E-18	4.80E-17	0	1.89E-15	-1.74E-12
AP	Mole of H ⁺ eq.	0.00745	9.57E-07	1.30E-05	0	5.27E-06	-0.00755
EP-freshwater	kg P eq.	5.13E-06	3.48E-11	3.80E-10	0	1.50E-09	-7.22E-07
EP-marine	kg N eq.	0.00116	4.69E-07	6.58E-06	0	1.36E-06	-0.00128
EP-terrestrial	Mole of N eq.	0.0131	5.13E-06	7.25E-05	0	1.50E-05	-0.0139
POCP	kg NMVOC eq.	0.00339	1.31E-06	1.26E-05	0	4.11E-06	-0.00381
ADP-minerals&metals	kg Sb-eq.	1.24E-05	6.36E-13	6.94E-12	0	3.44E-11	-7.54E-08
ADP-fossil	MJ	16.4	0.00270	0.0295	0	0.00990	-29.0
WDP	m ³ world equiv.	0.197	3.30E-07	3.60E-06	0	8.17E-05	-0.133

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	14.7	2.37E-06	2.59E-05	-0.0159	0.00162	-9.85
PERM	MJ	0.200	0	0	0	0	0
PERT	MJ	14.9	2.37E-06	2.59E-05	-0.0159	0.00162	-9.85
PENRE	MJ	26.2	0.00270	0.0295	0.492	0.00991	-20.9
PENRM	MJ	0	0	0	-0.492	0	-8.20
PENRT	MJ	26.2	0.00270	0.0295	0	0.00991	-29.1
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0392	6.20E-09	6.76E-08	0	2.50E-06	-0.0199

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.03E-08	1.68E-15	1.83E-14	0	2.15E-13	3.24E-09
NHWD	kg	0.0679	3.05E-08	3.33E-07	0	0.0495	-0.498
RWD	kg	1.83E-04	8.34E-11	9.10E-10	0	1.13E-07	-0.00223
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.281	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	1.47	1.99E-04	0.00214	0	7.35E-04	-2.14
GWP-GHG	kg CO ₂ -eq.	1.47	1.99E-04	0.00214	0	7.38E-04	-2.15
PM	Disease incidences	1.25E-07	1.09E-11	4.20E-11	0	6.49E-11	-8.04E-08
IRP	kBq U235 eq.	0.0289	8.50E-09	9.28E-08	0	1.31E-05	-0.497
ETP-fw	CTUe	12.5	6.33E-04	0.00691	0	0.00717	-7.52
HTPc	CTUh	7.23E-10	1.05E-14	1.15E-13	0	8.32E-13	-9.04E-10
HTPnc	CTUh	7.00E-09	2.31E-13	2.49E-12	0	8.78E-11	-1.88E-08
SQP	Pt	3.17	2.32E-06	2.53E-05	0	0.00241	-0.791

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	1.47	1.99E-04	0.00214	0	7.38E-04	-2.14
ODP	kg CFC11-eq.	2.53E-12	5.18E-18	5.65E-17	0	2.23E-15	-2.05E-12
AP	kg SO ₂ -eq.	0.00624	6.62E-07	8.82E-06	0	4.20E-06	-0.00632
EP	kg PO ₄ ³⁻ -eq.	4.49E-04	1.57E-07	2.22E-06	0	4.76E-07	-4.56E-04
POCP	kg C ₂ H ₄ -eq.	3.42E-04	6.45E-08	-3.61E-06	0	3.16E-07	-3.82E-04
ADPE	kg Sb-eq.	1.24E-05	6.36E-13	6.94E-12	0	3.50E-11	-9.16E-08
ADPF	MJ	15.8	0.00270	0.0294	0	0.00949	-22.3

EPD results for 1LM of:

NC248 Jamb Flashing Cap Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	1.19	1.55E-04	0.00166	0	5.78E-04	-1.67
GWP-fossil	kg CO ₂ -eq.	1.18	1.55E-04	0.00166	0	5.69E-04	-1.67
GWP-biogenic	kg CO ₂ -eq.	0.0118	7.62E-09	8.31E-08	0	7.34E-06	-0.00294
GWP-luluc	kg CO ₂ -eq.	8.14E-05	1.80E-09	1.96E-08	0	1.79E-06	-1.52E-04
ODP	kg CFC11-eq.	1.72E-12	3.41E-18	3.72E-17	0	1.47E-15	-1.35E-12
AP	Mole of H ⁺ eq.	0.00597	7.42E-07	1.01E-05	0	4.09E-06	-0.00586
EP-freshwater	kg P eq.	5.74E-06	2.70E-11	2.94E-10	0	1.16E-09	-5.60E-07
EP-marine	kg N eq.	9.48E-04	3.63E-07	5.11E-06	0	1.06E-06	-9.93E-04
EP-terrestrial	Mole of N eq.	0.0106	3.98E-06	5.63E-05	0	1.16E-05	-0.0108
POCP	kg NMVOC eq.	0.00274	1.02E-06	9.79E-06	0	3.19E-06	-0.00295
ADP-minerals&metals	kg Sb-eq.	1.39E-05	4.93E-13	5.38E-12	0	2.67E-11	-5.85E-08
ADP-fossil	MJ	13.3	0.00210	0.0229	0	0.00768	-22.5
WDP	m ³ world equiv.	0.0787	2.56E-07	2.80E-06	0	6.34E-05	-0.103

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	11.8	1.84E-06	2.01E-05	-0.0123	0.00125	-7.64
PERM	MJ	0.155	0	0	0	0	0
PERT	MJ	12.0	1.84E-06	2.01E-05	-0.0123	0.00125	-7.64
PENRE	MJ	20.9	0.00210	0.0229	0.381	0.00769	-16.2
PENRM	MJ	0	0	0	-0.381	0	-6.36
PENRT	MJ	20.9	0.00210	0.0229	0	0.00769	-22.6
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0313	4.81E-09	5.24E-08	0	1.94E-06	-0.0155

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.00E-08	1.30E-15	1.42E-14	0	1.67E-13	2.52E-09
NHWD	kg	0.0616	2.37E-08	2.58E-07	0	0.0384	-0.386
RWD	kg	1.43E-04	6.47E-11	7.06E-10	0	8.79E-08	-0.00173
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.218	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	1.18	1.55E-04	0.00166	0	5.70E-04	-1.66
GWP-GHG	kg CO ₂ -eq.	1.18	1.55E-04	0.00166	0	5.72E-04	-1.67
PM	Disease incidences	9.86E-08	8.45E-12	3.26E-11	0	5.03E-11	-6.23E-08
IRP	kBq U235 eq.	0.0226	6.59E-09	7.20E-08	0	1.02E-05	-0.385
ETP-fw	CTUe	10.5	4.91E-04	0.00536	0	0.00557	-5.83
HTPc	CTUh	5.73E-10	8.14E-15	8.94E-14	0	6.45E-13	-7.01E-10
HTPnc	CTUh	5.59E-09	1.79E-13	1.93E-12	0	6.81E-11	-1.46E-08
SQP	Pt	2.54	1.80E-06	1.97E-05	0	0.00187	-0.614

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	1.18	1.54E-04	0.00166	0	5.72E-04	-1.66
ODP	kg CFC11-eq.	2.05E-12	4.02E-18	4.38E-17	0	1.73E-15	-1.59E-12
AP	kg SO ₂ -eq.	0.00500	5.14E-07	6.84E-06	0	3.25E-06	-0.00491
EP	kg PO ₄ ³⁻ -eq.	3.77E-04	1.22E-07	1.72E-06	0	3.69E-07	-3.54E-04
POCP	kg C ₂ H ₄ -eq.	2.74E-04	5.01E-08	-2.80E-06	0	2.45E-07	-2.96E-04
ADPE	kg Sb-eq.	1.39E-05	4.93E-13	5.38E-12	0	2.72E-11	-7.11E-08
ADPF	MJ	12.8	0.00209	0.0228	0	0.00737	-17.3

EPD results for 1LM of:

NC249 Top Hat Feature Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	5.55	7.48E-04	0.00805	0	0.00279	-8.07
GWP-fossil	kg CO ₂ -eq.	5.50	7.48E-04	0.00805	0	0.00275	-8.05
GWP-biogenic	kg CO ₂ -eq.	0.0476	3.68E-08	4.02E-07	0	3.55E-05	-0.0142
GWP-luluc	kg CO ₂ -eq.	3.69E-04	8.70E-09	9.49E-08	0	8.67E-06	-7.36E-04
ODP	kg CFC11-eq.	7.94E-12	1.65E-17	1.80E-16	0	7.10E-15	-6.54E-12
AP	Mole of H ⁺ eq.	0.0280	3.59E-06	4.89E-05	0	1.98E-05	-0.0283
EP-freshwater	kg P eq.	1.96E-05	1.30E-10	1.42E-09	0	5.62E-09	-2.71E-06
EP-marine	kg N eq.	0.00437	1.76E-06	2.47E-05	0	5.11E-06	-0.00480
EP-terrestrial	Mole of N eq.	0.0492	1.93E-05	2.72E-04	0	5.63E-05	-0.0523
POCP	kg NMVOC eq.	0.0127	4.91E-06	4.73E-05	0	1.54E-05	-0.0143
ADP-minerals&metals	kg Sb-eq.	4.74E-05	2.38E-12	2.60E-11	0	1.29E-10	-2.83E-07
ADP-fossil	MJ	61.7	0.0101	0.111	0	0.0371	-109
WDP	m ³ world equiv.	0.728	1.24E-06	1.35E-05	0	3.06E-04	-0.500

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	55.1	8.91E-06	9.72E-05	-0.0595	0.00606	-37.0
PERM	MJ	0.751	0	0	0	0	0
PERT	MJ	55.8	8.91E-06	9.72E-05	-0.0595	0.00606	-37.0
PENRE	MJ	98.4	0.0101	0.111	1.84	0.0372	-78.3
PENRM	MJ	0	0	0	-1.84	0	-30.8
PENRT	MJ	98.4	0.0101	0.111	0	0.0372	-109
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.147	2.32E-08	2.54E-07	0	9.39E-06	-0.0748

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	3.91E-08	6.29E-15	6.86E-14	0	8.08E-13	1.22E-08
NHWD	kg	0.256	1.14E-07	1.25E-06	0	0.186	-1.87
RWD	kg	6.85E-04	3.13E-10	3.41E-09	0	4.25E-07	-0.00838
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	1.05	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	5.51	7.48E-04	0.00804	0	0.00276	-8.03
GWP-GHG	kg CO ₂ -eq.	5.52	7.48E-04	0.00805	0	0.00277	-8.06
PM	Disease incidences	4.70E-07	4.09E-11	1.57E-10	0	2.43E-10	-3.01E-07
IRP	kBq U235 eq.	0.109	3.19E-08	3.48E-07	0	4.92E-05	-1.86
ETP-fw	CTUe	47.0	0.00238	0.0259	0	0.0269	-28.2
HTPc	CTUh	2.71E-09	3.94E-14	4.33E-13	0	3.12E-12	-3.39E-09
HTPnc	CTUh	2.63E-08	8.65E-13	9.33E-12	0	3.29E-10	-7.04E-08
SQP	Pt	11.9	8.72E-06	9.51E-05	0	0.00902	-2.97

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	5.51	7.45E-04	0.00802	0	0.00277	-8.01
ODP	kg CFC11-eq.	9.49E-12	1.94E-17	2.12E-16	0	8.36E-15	-7.70E-12
AP	kg SO ₂ -eq.	0.0234	2.48E-06	3.31E-05	0	1.57E-05	-0.0237
EP	kg PO ₄ ³⁻ -eq.	0.00169	5.89E-07	8.33E-06	0	1.79E-06	-0.00171
POCP	kg C ₂ H ₄ -eq.	0.00128	2.42E-07	-1.35E-05	0	1.19E-06	-0.00143
ADPE	kg Sb-eq.	4.74E-05	2.39E-12	2.60E-11	0	1.31E-10	-3.44E-07
ADPF	MJ	59.5	0.0101	0.110	0	0.0356	-83.5

EPD results for 1LM of:

NC250 Square Jamb Capping Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	0.836	1.10E-04	0.00118	0	4.11E-04	-1.19
GWP-fossil	kg CO ₂ -eq.	0.828	1.10E-04	0.00118	0	4.04E-04	-1.18
GWP-biogenic	kg CO ₂ -eq.	0.00796	5.42E-09	5.91E-08	0	5.22E-06	-0.00209
GWP-luluc	kg CO ₂ -eq.	5.68E-05	1.28E-09	1.40E-08	0	1.27E-06	-1.08E-04
ODP	kg CFC11-eq.	1.21E-12	2.43E-18	2.65E-17	0	1.04E-15	-9.61E-13
AP	Mole of H+ eq.	0.00420	5.28E-07	7.18E-06	0	2.91E-06	-0.00416
EP-freshwater	kg P eq.	3.71E-06	1.92E-11	2.09E-10	0	8.26E-10	-3.98E-07
EP-marine	kg N eq.	6.64E-04	2.58E-07	3.63E-06	0	7.52E-07	-7.06E-04
EP-terrestrial	Mole of N eq.	0.00746	2.83E-06	4.00E-05	0	8.27E-06	-0.00769
POCP	kg NMVOC eq.	0.00192	7.22E-07	6.96E-06	0	2.27E-06	-0.00210
ADP-minerals&metals	kg Sb-eq.	8.98E-06	3.51E-13	3.83E-12	0	1.90E-11	-4.16E-08
ADP-fossil	MJ	9.33	0.00149	0.0163	0	0.00546	-16.0
WDP	m ³ world equiv.	0.0717	1.82E-07	1.99E-06	0	4.50E-05	-0.0735

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	8.30	1.31E-06	1.43E-05	-0.00874	8.91E-04	-5.43
PERM	MJ	0.110	0	0	0	0	0
PERT	MJ	8.41	1.31E-06	1.43E-05	-0.00874	8.91E-04	-5.43
PENRE	MJ	14.7	0.00149	0.0163	0.271	0.00547	-11.5
PENRM	MJ	0	0	0	-0.271	0	-4.52
PENRT	MJ	14.7	0.00149	0.0163	0	0.00547	-16.0
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0221	3.42E-09	3.73E-08	0	1.38E-06	-0.0110

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	6.70E-09	9.24E-16	1.01E-14	0	1.19E-13	1.79E-09
NHWD	kg	0.0419	1.68E-08	1.84E-07	0	0.0273	-0.275
RWD	kg	1.01E-04	4.60E-11	5.02E-10	0	6.25E-08	-0.00123
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.155	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

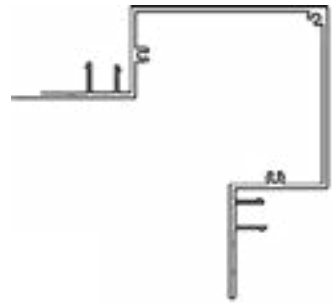
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	0.829	1.10E-04	0.00118	0	4.05E-04	-1.18
GWP-GHG	kg CO ₂ -eq.	0.832	1.10E-04	0.00118	0	4.07E-04	-1.19
PM	Disease incidences	6.98E-08	6.01E-12	2.32E-11	0	3.58E-11	-4.43E-08
IRP	kBq U235 eq.	0.0161	4.69E-09	5.12E-08	0	7.23E-06	-0.274
ETP-fw	CTUe	7.30	3.49E-04	0.00381	0	0.00396	-4.15
HTPc	CTUh	4.05E-10	5.79E-15	6.36E-14	0	4.59E-13	-4.98E-10
HTPnc	CTUh	3.94E-09	1.27E-13	1.37E-12	0	4.84E-11	-1.03E-08
SQP	Pt	1.79	1.28E-06	1.40E-05	0	0.00133	-0.436

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	0.831	1.10E-04	0.00118	0	4.07E-04	-1.18
ODP	kg CFC11-eq.	1.44E-12	2.86E-18	3.12E-17	0	1.23E-15	-1.13E-12
AP	kg SO ₂ -eq.	0.00352	3.65E-07	4.87E-06	0	2.31E-06	-0.00349
EP	kg PO ₄ ³⁻ -eq.	2.62E-04	8.65E-08	1.22E-06	0	2.63E-07	-2.52E-04
POCP	kg C ₂ H ₄ -eq.	1.93E-04	3.56E-08	-1.99E-06	0	1.74E-07	-2.11E-04
ADPE	kg Sb-eq.	8.99E-06	3.51E-13	3.83E-12	0	1.93E-11	-5.05E-08
ADPF	MJ	9.00	0.00149	0.0162	0	0.00524	-12.3

EPD results for 1LM of:

NC251 1 Piece External Corner Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	7.12	9.60E-04	0.0103	0	0.00359	-10.4
GWP-fossil	kg CO ₂ -eq.	7.06	9.60E-04	0.0103	0	0.00353	-10.3
GWP-biogenic	kg CO ₂ -eq.	0.0606	4.73E-08	5.16E-07	0	4.56E-05	-0.0183
GWP-luluc	kg CO ₂ -eq.	4.73E-04	1.12E-08	1.22E-07	0	1.11E-05	-9.45E-04
ODP	kg CFC11-eq.	1.02E-11	2.12E-17	2.31E-16	0	9.12E-15	-8.40E-12
AP	Mole of H+ eq.	0.0359	4.61E-06	6.28E-05	0	2.54E-05	-0.0364
EP-freshwater	kg P eq.	2.46E-05	1.68E-10	1.83E-09	0	7.22E-09	-3.48E-06
EP-marine	kg N eq.	0.00560	2.26E-06	3.17E-05	0	6.57E-06	-0.00617
EP-terrestrial	Mole of N eq.	0.0631	2.47E-05	3.49E-04	0	7.22E-05	-0.0672
POCP	kg NMVOC eq.	0.0163	6.31E-06	6.08E-05	0	1.98E-05	-0.0183
ADP-minerals&metals	kg Sb-eq.	5.96E-05	3.06E-12	3.34E-11	0	1.66E-10	-3.63E-07
ADP-fossil	MJ	79.1	0.0130	0.142	0	0.0477	-140
WDP	m ³ world equiv.	0.956	1.59E-06	1.74E-05	0	3.93E-04	-0.642

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	70.6	1.14E-05	1.25E-04	-0.0764	0.00778	-47.5
PERM	MJ	0.965	0	0	0	0	0
PERT	MJ	71.6	1.14E-05	1.25E-04	-0.0764	0.00778	-47.5
PENRE	MJ	126	0.0130	0.142	2.37	0.0478	-101
PENRM	MJ	0	0	0	-2.37	0	-39.5
PENRT	MJ	126	0.0130	0.142	0	0.0478	-140
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.189	2.98E-08	3.26E-07	0	1.21E-05	-0.0961

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	4.96E-08	8.07E-15	8.81E-14	0	1.04E-12	1.56E-08
NHWD	kg	0.326	1.47E-07	1.60E-06	0	0.239	-2.40
RWD	kg	8.80E-04	4.02E-10	4.38E-09	0	5.46E-07	-0.0108
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	1.35	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

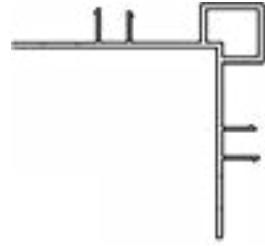
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	7.06	9.60E-04	0.0103	0	0.00354	-10.3
GWP-GHG	kg CO ₂ -eq.	7.08	9.60E-04	0.0103	0	0.00355	-10.4
PM	Disease incidences	6.03E-07	5.25E-11	2.02E-10	0	3.13E-10	-3.87E-07
IRP	kBq U235 eq.	0.139	4.10E-08	4.47E-07	0	6.32E-05	-2.39
ETP-fw	CTUe	60.1	0.00305	0.0333	0	0.0346	-36.2
HTPc	CTUh	3.48E-09	5.06E-14	5.55E-13	0	4.01E-12	-4.35E-09
HTPnc	CTUh	3.37E-08	1.11E-12	1.20E-11	0	4.23E-10	-9.04E-08
SQP	Pt	15.3	1.12E-05	1.22E-04	0	0.0116	-3.81

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	7.07	9.57E-04	0.0103	0	0.00355	-10.3
ODP	kg CFC11-eq.	1.22E-11	2.50E-17	2.72E-16	0	1.07E-14	-9.89E-12
AP	kg SO ₂ -eq.	0.0301	3.19E-06	4.25E-05	0	2.02E-05	-0.0305
EP	kg PO ₄ ³⁻ -eq.	0.00216	7.56E-07	1.07E-05	0	2.29E-06	-0.00220
POCP	kg C ₂ H ₄ -eq.	0.00165	3.11E-07	-1.74E-05	0	1.52E-06	-0.00184
ADPE	kg Sb-eq.	5.97E-05	3.06E-12	3.34E-11	0	1.69E-10	-4.41E-07
ADPF	MJ	76.2	0.0130	0.142	0	0.0457	-107

EPD results for 1LM of:

NC252 1 Piece External Corner Negative Detail Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	4.60	6.25E-04	0.00673	0	0.00234	-6.75
GWP-fossil	kg CO ₂ -eq.	4.56	6.25E-04	0.00673	0	0.00230	-6.73
GWP-biogenic	kg CO ₂ -eq.	0.0378	3.08E-08	3.36E-07	0	2.97E-05	-0.0119
GWP-luluc	kg CO ₂ -eq.	3.03E-04	7.27E-09	7.93E-08	0	7.25E-06	-6.15E-04
ODP	kg CFC11-eq.	6.56E-12	1.38E-17	1.51E-16	0	5.94E-15	-5.47E-12
AP	Mole of H+ eq.	0.0232	3.00E-06	4.09E-05	0	1.65E-05	-0.0237
EP-freshwater	kg P eq.	1.45E-05	1.09E-10	1.19E-09	0	4.70E-09	-2.26E-06
EP-marine	kg N eq.	0.00361	1.47E-06	2.06E-05	0	4.27E-06	-0.00402
EP-terrestrial	Mole of N eq.	0.0407	1.61E-05	2.27E-04	0	4.70E-05	-0.0437
POCP	kg NMVOC eq.	0.0105	4.10E-06	3.96E-05	0	1.29E-05	-0.0119
ADP-minerals&metals	kg Sb-eq.	3.52E-05	1.99E-12	2.18E-11	0	1.08E-10	-2.36E-07
ADP-fossil	MJ	51.0	0.00847	0.0925	0	0.0311	-91.0
WDP	m ³ world equiv.	0.685	1.04E-06	1.13E-05	0	2.56E-04	-0.418

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	45.6	7.45E-06	8.13E-05	-0.0497	0.00507	-30.9
PERM	MJ	0.628	0	0	0	0	0
PERT	MJ	46.2	7.45E-06	8.13E-05	-0.0497	0.00507	-30.9
PENRE	MJ	81.7	0.00847	0.0925	1.54	0.0311	-65.5
PENRM	MJ	0	0	0	-1.54	0	-25.7
PENRT	MJ	81.7	0.00847	0.0925	0	0.0311	-91.2
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.122	1.94E-08	2.12E-07	0	7.85E-06	-0.0625

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	3.06E-08	5.26E-15	5.73E-14	0	6.76E-13	1.02E-08
NHWD	kg	0.205	9.57E-08	1.04E-06	0	0.155	-1.56
RWD	kg	5.71E-04	2.62E-10	2.85E-09	0	3.55E-07	-0.00701
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.880	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	4.56	6.25E-04	0.00672	0	0.00231	-6.71
GWP-GHG	kg CO ₂ -eq.	4.57	6.25E-04	0.00673	0	0.00231	-6.74
PM	Disease incidences	3.91E-07	3.42E-11	1.32E-10	0	2.03E-10	-2.52E-07
IRP	kBq U235 eq.	0.0906	2.67E-08	2.91E-07	0	4.11E-05	-1.56
ETP-fw	CTUe	38.5	0.00199	0.0217	0	0.0225	-23.6
HTPc	CTUh	2.26E-09	3.29E-14	3.62E-13	0	2.61E-12	-2.83E-09
HTPnc	CTUh	2.18E-08	7.23E-13	7.80E-12	0	2.75E-10	-5.88E-08
SQP	Pt	9.87	7.29E-06	7.95E-05	0	0.00755	-2.48

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life			Mod D	
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	4.57	6.23E-04	0.00671	0	0.00231	-6.70
ODP	kg CFC11-eq.	7.84E-12	1.62E-17	1.77E-16	0	6.99E-15	-6.44E-12
AP	kg SO ₂ -eq.	0.0194	2.08E-06	2.77E-05	0	1.32E-05	-0.0198
EP	kg PO ₄ ³⁻ -eq.	0.00138	4.92E-07	6.96E-06	0	1.49E-06	-0.00143
POCP	kg C ₂ H ₄ -eq.	0.00106	2.02E-07	-1.13E-05	0	9.91E-07	-0.00120
ADPE	kg Sb-eq.	3.53E-05	1.99E-12	2.18E-11	0	1.10E-10	-2.87E-07
ADPF	MJ	49.2	0.00846	0.0923	0	0.0298	-69.8

EPD results for 1LM of:

NC253 1 Piece Internal Corner Negative Detail Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	4.52	6.09E-04	0.00655	0	0.00227	-6.57
GWP-fossil	kg CO ₂ -eq.	4.49	6.09E-04	0.00655	0	0.00224	-6.56
GWP-biogenic	kg CO ₂ -eq.	0.0390	3.00E-08	3.27E-07	0	2.89E-05	-0.0116
GWP-luluc	kg CO ₂ -eq.	3.01E-04	7.08E-09	7.73E-08	0	7.06E-06	-5.99E-04
ODP	kg CFC11-eq.	6.48E-12	1.34E-17	1.47E-16	0	5.78E-15	-5.32E-12
AP	Mole of H+ eq.	0.0228	2.92E-06	3.98E-05	0	1.61E-05	-0.0231
EP-freshwater	kg P eq.	1.61E-05	1.06E-10	1.16E-09	0	4.58E-09	-2.20E-06
EP-marine	kg N eq.	0.00356	1.43E-06	2.01E-05	0	4.16E-06	-0.00391
EP-terrestrial	Mole of N eq.	0.0401	1.57E-05	2.22E-04	0	4.58E-05	-0.0426
POCP	kg NMVOC eq.	0.0104	4.00E-06	3.85E-05	0	1.26E-05	-0.0116
ADP-minerals&metals	kg Sb-eq.	3.90E-05	1.94E-12	2.12E-11	0	1.05E-10	-2.30E-07
ADP-fossil	MJ	50.3	0.00825	0.0900	0	0.0302	-88.7
WDP	m ³ world equiv.	0.584	1.01E-06	1.10E-05	0	2.49E-04	-0.407

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	44.9	7.25E-06	7.91E-05	-0.0484	0.00493	-30.1
PERM	MJ	0.612	0	0	0	0	0
PERT	MJ	45.5	7.25E-06	7.91E-05	-0.0484	0.00493	-30.1
PENRE	MJ	80.2	0.00825	0.0900	1.50	0.0303	-63.8
PENRM	MJ	0	0	0	-1.50	0	-25.1
PENRT	MJ	80.2	0.00825	0.0900	0	0.0303	-88.8
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.120	1.89E-08	2.06E-07	0	7.64E-06	-0.0609

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	3.20E-08	5.12E-15	5.58E-14	0	6.58E-13	9.91E-09
NHWD	kg	0.210	9.32E-08	1.02E-06	0	0.151	-1.52
RWD	kg	5.58E-04	2.55E-10	2.78E-09	0	3.46E-07	-0.00683
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.857	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	4.49	6.09E-04	0.00655	0	0.00225	-6.54
GWP-GHG	kg CO ₂ -eq.	4.50	6.09E-04	0.00655	0	0.00225	-6.57
PM	Disease incidences	3.83E-07	3.33E-11	1.28E-10	0	1.98E-10	-2.45E-07
IRP	kBq U235 eq.	0.0885	2.60E-08	2.83E-07	0	4.01E-05	-1.52
ETP-fw	CTUe	38.4	0.00193	0.0211	0	0.0219	-23.0
HTPc	CTUh	2.21E-09	3.21E-14	3.52E-13	0	2.54E-12	-2.76E-09
HTPnc	CTUh	2.14E-08	7.04E-13	7.59E-12	0	2.68E-10	-5.73E-08
SQP	Pt	9.70	7.10E-06	7.74E-05	0	0.00735	-2.42

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	4.49	6.07E-04	0.00653	0	0.00225	-6.52
ODP	kg CFC11-eq.	7.74E-12	1.58E-17	1.73E-16	0	6.81E-15	-6.27E-12
AP	kg SO ₂ -eq.	0.0191	2.02E-06	2.70E-05	0	1.28E-05	-0.0193
EP	kg PO ₄ ³⁻ -eq.	0.00138	4.79E-07	6.78E-06	0	1.45E-06	-0.00139
POCP	kg C ₂ H ₄ -eq.	0.00105	1.97E-07	-1.10E-05	0	9.65E-07	-0.00117
ADPE	kg Sb-eq.	3.91E-05	1.94E-12	2.12E-11	0	1.07E-10	-2.80E-07
ADPF	MJ	48.5	0.00824	0.0899	0	0.0290	-68.0

EPD results for 1LM of:

NC103 Jointer Base Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	1.25	1.67E-04	0.00180	0	6.25E-04	-1.81
GWP-fossil	kg CO ₂ -eq.	1.24	1.67E-04	0.00180	0	6.15E-04	-1.80
GWP-biogenic	kg CO ₂ -eq.	0.0111	8.24E-09	8.99E-08	0	7.94E-06	-0.00318
GWP-luluc	kg CO ₂ -eq.	8.38E-05	1.95E-09	2.12E-08	0	1.94E-06	-1.65E-04
ODP	kg CFC11-eq.	1.80E-12	3.69E-18	4.03E-17	0	1.59E-15	-1.46E-12
AP	Mole of H+ eq.	0.00630	8.03E-07	1.09E-05	0	4.43E-06	-0.00634
EP-freshwater	kg P eq.	4.77E-06	2.92E-11	3.19E-10	0	1.26E-09	-6.06E-07
EP-marine	kg N eq.	9.88E-04	3.93E-07	5.52E-06	0	1.14E-06	-0.00107
EP-terrestrial	Mole of N eq.	0.0111	4.31E-06	6.09E-05	0	1.26E-05	-0.0117
POCP	kg NMVOC eq.	0.00287	1.10E-06	1.06E-05	0	3.45E-06	-0.00319
ADP-minerals&metals	kg Sb-eq.	1.16E-05	5.34E-13	5.82E-12	0	2.89E-11	-6.33E-08
ADP-fossil	MJ	13.9	0.00227	0.0247	0	0.00831	-24.4
WDP	m ³ world equiv.	0.146	2.77E-07	3.03E-06	0	6.85E-05	-0.112

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	12.4	1.99E-06	2.17E-05	-0.0133	0.00136	-8.27
PERM	MJ	0.168	0	0	0	0	0
PERT	MJ	12.6	1.99E-06	2.17E-05	-0.0133	0.00136	-8.27
PENRE	MJ	22.1	0.00227	0.0247	0.413	0.00832	-17.5
PENRM	MJ	0	0	0	-0.413	0	-6.89
PENRT	MJ	22.1	0.00227	0.0247	0	0.00832	-24.4
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0332	5.20E-09	5.67E-08	0	2.10E-06	-0.0167

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	9.20E-09	1.41E-15	1.53E-14	0	1.81E-13	2.72E-09
NHWD	kg	0.0593	2.56E-08	2.80E-07	0	0.0416	-0.418
RWD	kg	1.54E-04	7.00E-11	7.64E-10	0	9.51E-08	-0.00188
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.235	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	1.24	1.67E-04	0.00180	0	6.17E-04	-1.80
GWP-GHG	kg CO ₂ -eq.	1.25	1.67E-04	0.00180	0	6.19E-04	-1.80
PM	Disease incidences	1.05E-07	9.14E-12	3.52E-11	0	5.45E-11	-6.74E-08
IRP	kBq U235 eq.	0.0243	7.14E-09	7.79E-08	0	1.10E-05	-0.417
ETP-fw	CTUe	10.7	5.32E-04	0.00580	0	0.00602	-6.31
HTPc	CTUh	6.10E-10	8.81E-15	9.68E-14	0	6.98E-13	-7.59E-10
HTPnc	CTUh	5.92E-09	1.94E-13	2.09E-12	0	7.37E-11	-1.57E-08
SQP	Pt	2.68	1.95E-06	2.13E-05	0	0.00202	-0.664

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	1.24	1.67E-04	0.00179	0	6.19E-04	-1.79
ODP	kg CFC11-eq.	2.14E-12	4.35E-18	4.74E-17	0	1.87E-15	-1.72E-12
AP	kg SO ₂ -eq.	0.00528	5.56E-07	7.41E-06	0	3.52E-06	-0.00531
EP	kg PO ₄ ³⁻ -eq.	3.84E-04	1.32E-07	1.86E-06	0	4.00E-07	-3.83E-04
POCP	kg C ₂ H ₄ -eq.	2.89E-04	5.42E-08	-3.03E-06	0	2.65E-07	-3.21E-04
ADPE	kg Sb-eq.	1.16E-05	5.34E-13	5.82E-12	0	2.94E-11	-7.69E-08
ADPF	MJ	13.4	0.00226	0.0247	0	0.00797	-18.7

EPD results for 1LM of:

NC101 Starter Strip Ancillary - Anodised



Environmental impact EN15804+A2

EN15804+A2		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	2.64	3.53E-04	0.00380	0	0.00132	-3.81
GWP-fossil	kg CO ₂ -eq.	2.61	3.53E-04	0.00380	0	0.00130	-3.80
GWP-biogenic	kg CO ₂ -eq.	0.0233	1.74E-08	1.90E-07	0	1.67E-05	-0.00671
GWP-luluc	kg CO ₂ -eq.	1.76E-04	4.10E-09	4.48E-08	0	4.09E-06	-3.47E-04
ODP	kg CFC11-eq.	3.78E-12	7.79E-18	8.50E-17	0	3.35E-15	-3.08E-12
AP	Mole of H+ eq.	0.0133	1.69E-06	2.31E-05	0	9.33E-06	-0.0134
EP-freshwater	kg P eq.	9.98E-06	6.16E-11	6.72E-10	0	2.65E-09	-1.28E-06
EP-marine	kg N eq.	0.00208	8.29E-07	1.16E-05	0	2.41E-06	-0.00227
EP-terrestrial	Mole of N eq.	0.0234	9.08E-06	1.28E-04	0	2.65E-05	-0.0247
POCP	kg NMVOC eq.	0.00605	2.32E-06	2.23E-05	0	7.28E-06	-0.00674
ADP-minerals&metals	kg Sb-eq.	2.42E-05	1.12E-12	1.23E-11	0	6.09E-11	-1.33E-07
ADP-fossil	MJ	29.3	0.00478	0.0522	0	0.0175	-51.4
WDP	m ³ world equiv.	0.311	5.85E-07	6.38E-06	0	1.45E-04	-0.236

Resource use

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	26.2	4.20E-06	4.58E-05	-0.0281	0.00286	-17.4
PERM	MJ	0.354	0	0	0	0	0
PERT	MJ	26.5	4.20E-06	4.58E-05	-0.0281	0.00286	-17.4
PENRE	MJ	46.7	0.00478	0.0522	0.870	0.0175	-36.9
PENRM	MJ	0	0	0	-0.870	0	-14.5
PENRT	MJ	46.7	0.00478	0.0522	0	0.0175	-51.5
SM	kg	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0
FW	m ³	0.0699	1.10E-08	1.20E-07	0	4.43E-06	-0.0353

Waste categories and output flows

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	1.93E-08	2.97E-15	3.24E-14	0	3.81E-13	5.74E-09
NHWD	kg	0.125	5.40E-08	5.89E-07	0	0.0877	-0.881
RWD	kg	3.24E-04	1.48E-10	1.61E-09	0	2.01E-07	-0.00395
CRU	kg	0	0	0	0	0	0
MFR	kg	0	0	0	0.496	0	0
MER	kg	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0

Biogenic carbon content

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
BCC-prod	kg	0	0	0	0	0	0
BCC-pack	kg	0.00541	0	0	0	0	0

Additional Indicators

Abb.	Unit	A1-A3	C1	C2	C3	C4	D
IPCC AR5 GWP-GHG	kg CO ₂ -eq.	2.62	3.53E-04	0.00379	0	0.00130	-3.79
GWP-GHG	kg CO ₂ -eq.	2.62	3.53E-04	0.00380	0	0.00131	-3.80
PM	Disease incidences	2.22E-07	1.93E-11	7.43E-11	0	1.15E-10	-1.42E-07
IRP	kBq U235 eq.	0.0513	1.50E-08	1.64E-07	0	2.32E-05	-0.879
ETP-fw	CTUe	22.5	0.00112	0.0122	0	0.0127	-13.3
HTPc	CTUh	1.29E-09	1.86E-14	2.04E-13	0	1.47E-12	-1.60E-09
HTPnc	CTUh	1.25E-08	4.08E-13	4.40E-12	0	1.55E-10	-3.32E-08
SQP	Pt	5.65	4.11E-06	4.49E-05	0	0.00426	-1.40

Environmental impact EN15804+A1

EN15804+A1		Production	End-of-life				Mod D
Abb.	Unit	A1-A3	C1	C2	C3	C4	D
GWP	kg CO ₂ -eq.	2.62	3.51E-04	0.00378	0	0.00131	-3.78
ODP	kg CFC11-eq.	4.52E-12	9.17E-18	1.00E-16	0	3.95E-15	-3.63E-12
AP	kg SO ₂ -eq.	0.0111	1.17E-06	1.56E-05	0	7.42E-06	-0.0112
EP	kg PO ₄ ³⁻ -eq.	8.09E-04	2.78E-07	3.93E-06	0	8.43E-07	-8.08E-04
POCP	kg C ₂ H ₄ -eq.	6.09E-04	1.14E-07	-6.38E-06	0	5.59E-07	-6.76E-04
ADPE	kg Sb-eq.	2.42E-05	1.13E-12	1.23E-11	0	6.19E-11	-1.62E-07
ADPF	MJ	28.3	0.00477	0.0521	0	0.0168	-39.4

INFORMATION AND LCA REVIEW

Geographical scope	New Zealand
Reference year	1 Jan 2022 to 31 Dec 2022
Produced by	 thinkstep ltd. LCA Practitioner: Barbara Nebel LCA PM: Ian Appleton Post: 11 Rawhiti Road, Pukerua Bay, Wellington 5026 New Zealand Web: www.thinkstep-anz.com Email: anz@thinkstep-anz.com
LCA and EPD production guided by	CEN standard EN 15804 served as the core Product Category Rules (PCR) Product Category Rule (PCR) 2019:14 Construction products v1.3.4, EPD International 2024-04-30. Valid until 2025-06-20
Independent LCA review	Claudia A. Peña (Director of PINDA LCT SpA) Location: Santiago, Chile Email: pinda.lct@gmail.com

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