Environmental Product Declaration

In accordance with ISO 14025:2006 and EN 15804:2012+A2:2019/AC:2021 for:

Cemflow Industrial, Cemflow Topping, and Cemflow Renovation

from

Don Construction Products Ltd

Programme:	The International EPD System, www.environdec.com
Programme operator:	EPD International AB
Type of EPD:	EPD of multiple products from a company, based on a representative product.
EPD registration number:	EPD-IES-0028901:001
Version date:	2026-03-12
Validity date:	2031-03-11
	An EPD may be updated or depublished if conditions change. To find the latest version of the EPD and to confirm its validity, see www.environdec.com

GENERAL INFORMATION

Programme Information	
Programme:	The International EPD® System
Address:	EPD International AB Box 210 60 SE-100 31 Stockholm Sweden
Website:	www.environdec.com
E-mail:	support@environdec.com

Product Category Rules (PCR)
CEN standard EN 15804 serves as the Core Product Category Rules (PCR)
Product Category Rules (PCR): ***PCR 2019:14 Construction products, version 2.0.1***
PCR review was conducted by: ***The Technical Committee of the International EPD System. See www.environdec.com for a list of members. Review chairs: Rob Rouwette (chair), Noa Meron (co-chair). The review panel may be contacted via the Secretariat www.environdec.com/contact.***

Third-party Verification
Independent third-party verification of the declaration and data, according to ISO 14025:2006, via: ☒ **Individual EPD verification without a pre-verified LCA/EPD tool** Third-party verifier: *Sunil Kumar, SIPL Pvt. Ltd.* Approved by: International EPD System
Procedure for follow-up of data during EPD validity involves third party verifier: ☒ Yes ☐ No

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but published in different EPD programmes, may not be comparable. For two EPDs to be comparable, they shall be based on the same PCR (including the same first-digit version number) or be based on fully aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have identical scope in terms of included life-cycle stages (unless the excluded life-cycle stage is demonstrated to be insignificant); apply identical impact assessment methods (including the same version of characterisation factors); and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

INFORMATION ABOUT EPD OWNER

Owner of the EPD: Don Construction Products Ltd
Address: Hawthorn House, Helions Bumpstead Road, Haverhill, CB9 7AA, United Kingdom
Contact: Rama Salaimeh, Rajai Al-Jada
rdksa@dcp-int.com
Description of the organisation: Don Construction Products are construction materials manufacturers who have extensive experience in developing, manufacturing, and marketing construction materials for civil engineering and the construction industry across the globe.
Product-related or management system-related certifications: ISO 9001, ISO 14001, and ISO 18001

PRODUCT INFORMATION

Product name: Cemflow Industrial, Cemflow Topping, and Cemflow Renovation.
Cemflow Industrial has been chosen as the representative product because it has the highest production volume among the three products.
Product identification:
Cemflow Industrial is an industrial grade floor topping.
Cemflow Renovation is a fibre reinforced base screed.
Cemflow Topping is an industrial grade floor topping.
Visual representation (e.g., an image) of the product

UN CPC code: 375 Articles of concrete, cement, and plasters.
Product description:
Cemflow Industrial and Topping are self-smoothing, dimensionally stable, and fast drying industrial grade floor toppings for upgrading and renovating new and existing internal floors.
Cemflow Renovation is self-smoothing, dimensionally stable, and fast drying floor underlayment for upgrading and renovating new and existing internal floors.
Name and location of production site(s): Don Construction Products Ltd, Hawthorn House, Helions Bumpstead Road, Haverhill, CB9 7AA, United Kingdom
References to any relevant websites for more information or explanatory materials, if applicable.
https://www.dcp-int.com/uk/en

CONTENT DECLARATION

The content information is provided per 1 kg declared unit
Content declaration covers the percentages of raw materials in the three included products.

Component / Product	Binders, kg	Fillers, kg	Additives, kg
Cemflow Industrial	0.3 – 0.4	0.6 – 0.7	< 0.05
Cemflow Topping	0.4 – 0.5	0.4 – 0.6	< 0.1
Cemflow Renovation	0.2 – 0.3	0.6 – 0.8	< 0.05

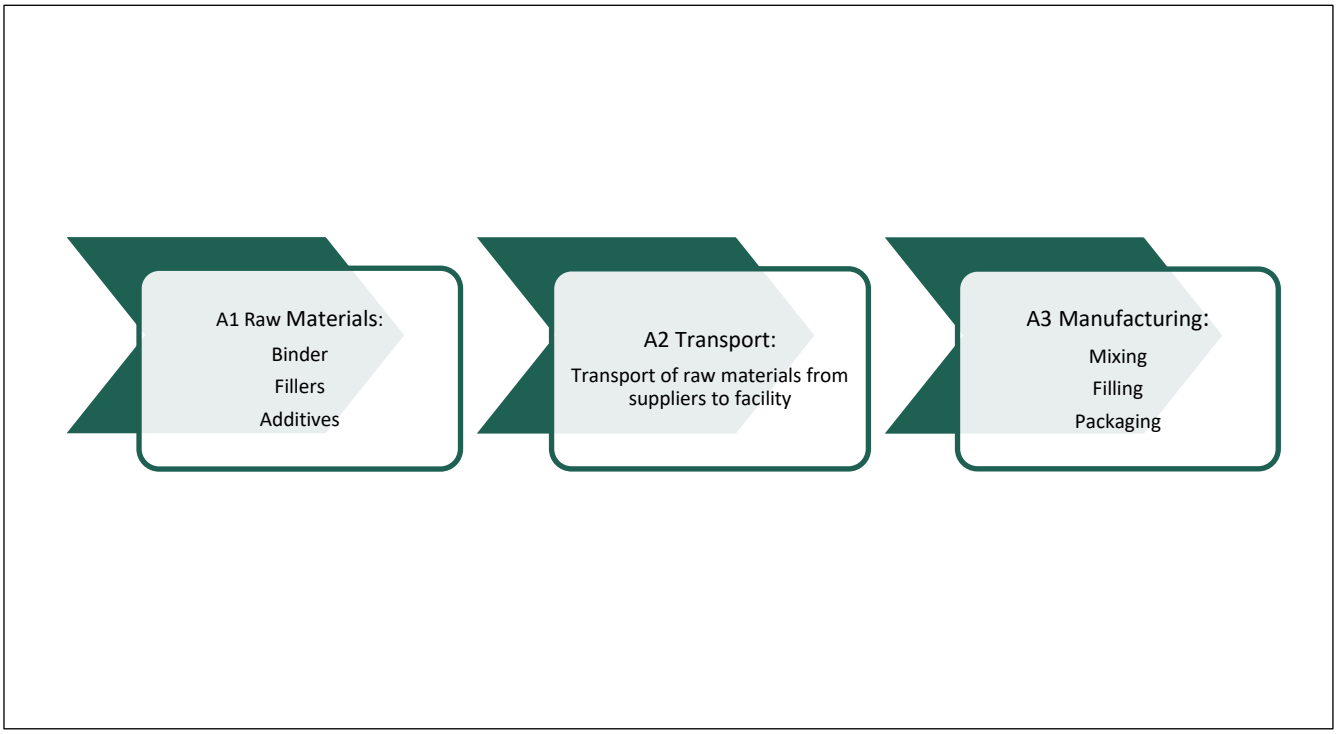
Packaging materials	Mass, kg	Mass-% (versus the product)	Biogenic material, kg C/product or declared unit
Paper sack	0.00400	0.400	0.0066
LDPE	0.00085	0.085	0.0000
Pallet	0.02000	2.000	0.0327
Paper for labels	0.00001	0.001	1.6E-05
TOTAL	0.02486	2.486	0.0393

1 kg biogenic carbon in the product/packaging is equivalent to the uptake of 44/12 kg of CO_2.
The product doesn't contain substances given by the REACH SVHC Candidate list.

LCA INFORMATION

Declared unit: 1 kg
Time representativeness: 2025
Geographical scope: United Kingdom
Database(s) and LCA software used: Software: openLCA 2.5.0, Database: Ecoinvent v3.11 EN15804 add-on (cut-off system model)
Description of system boundaries:
The approach followed is cradle to gate (A1–A3) since the four conditions required by the PCR are met:
• The product or material is physically integrated with other products during installation so they cannot be physically separated from them at end of life,
• The product or material is no longer identifiable at end of life as a result of a physical or chemical transformation process, and
• The product or material does not contain biogenic carbon.
• The EPD is not intended to be used for business-to-consumer communication
Following modules were considered:
A1: Raw materials.
A2: transport of raw materials to the manufacturing site.
A3: Manufacturing process including waste management
Construction process stage, use stage and end of life stage has been excluded since the products can’t be physically separated from other products at end-of-life, no longer identifiable due to transformation process, does not contain biogenic carbon, and the EPD is intended to be used for business-to-business.

Process flow diagram:



More information:

The production of Cemflow Industrial, Cemflow Renovation, and Cemflow Topping includes raw material supply (A1), transport to the manufacturing site (A2), and the manufacturing process itself (A3). Raw materials such as binders, fillers, and chemical additives are sourced from external suppliers and delivered to the production facility. Upon arrival, all materials undergo quality control (QC) inspections to ensure compliance with product specifications. Approved materials are stored appropriately until use. In the production process, the raw materials are preweighed and introduced into a mixer. The components are then mixed until a homogeneous product is achieved. The blended material is subjected to final quality control checks. Once confirmed, the products are filled in 25kg paper sacks which are palletized and stored until distribution. Energy consumption during production are recorded and included in the life cycle inventory for Module A3.

Electricity Mix: Electricity used for A3 manufacturing was considered as market for electricity, medium voltage electricity, medium voltage, specific for United Kingdom of Great Britain and Northern Ireland. The electricity mix used to model the electricity consumed in A3 has a global warming potential GWP-GHG (excluding biogenic CO2) result of 0.28157 kg CO2 equivalent per 1 kwh.

Infrastructure/capital goods modelling: The datasets used include the infrastructure from upstream processes. Don Construction Products infrastructure is not included.

Allocation procedures: In accordance with EN 15804, allocation procedures have been applied where necessary to ensure accurate representation of environmental impacts during the manufacturing stage (Module A3). As the production process involves shared equipment and infrastructure used to produce multiple product types, allocation of inputs (e.g., energy, water, emissions) and outputs (e.g., waste) has been carried out based on the mass of the final product. This approach reflects the proportional use of resources relative to the total production volume and is consistent with the physical relationships of the production system.

Assumptions: For A2 transport EURO5 type lorries were considered for all land transportation of different raw materials.

Modules declared, geographical scope, share of primary data (in GWP-GHG results) and data variation (in GWP-GHG results):

	Product stage			Distribution/ installation stage		Use stage							End-of-life stage				Beyond product life cycle
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
Module	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Modules declared	x	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geography	GLO	GLO	UK	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Share of primary data	< 10%			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	Up to 28.6%			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation – sites	0%			-	-	-	-	-	-	-	-	-	-	-	-	-	-

Variation between the declared GWP-GHG result of the representative product, and the product with the furthest away from the declared result is 28.6%.

Process	Source type	Source	Reference year	Data category	Share of primary data, of GWP-GHG results for A1-A3
Manufacturing of product*	Collected data	EPD owner	2025	Primary data	0%
Cement	Database	Ecoinvent v3.11 EN15804 add-on (cut-off system model) database	2025	Secondary data	0%
Redispersible polymer	Database	Ecoinvent v3.11 EN15804 add-on (cut-off system model) database	2025	Secondary data	0%
Other processes	Databases	Ecoinvent v3.11 EN15804 add-on (cut-off system model) database	2025	Secondary data	<10%
Total share of primary data, of GWP-GHG results for A1-A3					<10%

*Disclaimer: 0% value indicating that primary data has been collected to model modules A1-A3, but they have been modelled with secondary data.

Summary of the data quality assessment: The share of primary data is calculated based on GWP-GHG results. It is a simplified indicator for data quality that supports the use of more primary data, to increase the representativeness of and comparability between EPDs. Note that the indicator does not capture all relevant aspects of data quality and is not comparable across product categories.

For the main constituents contributing more than 10% of the total GWP-GHG; such as cement and the redispersible polymer, primary data from suppliers were not available. Based on the data we have from the items technical data sheets, the best match for datasets were used.

Data collection	2025
Sites used	Don Construction Products Ltd. located in the United Kingdom.
Geography	Product manufactured in the UK.
Technology	Cemflow products are produced by mixing the raw materials.
Averaging	100% of production, content based on Cemflow Industrial as a representative product.
LCI/LCA database	Ecoinvent v3.11 EN15804 add-on (cut-off system model)
EPD used	None
Data Quality Scheme	EN 15804:2012+A2:2019, Annex E, Table E.2
Use of fair data with more than 30% of a core impact	None
Use of Poor relevant data	none
Use of very poor relevant data	none

ENVIRONMENTAL PERFORMANCE

LCA results of the product(s) - main environmental performance results

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 impact categories required by the EN 15804+A2 are based on the EC-JRC Environmental Footprint (EF) Reference Package 3.1 and corresponding characterization factors.
The biogenic carbon recovered energy leaving the product system in module A5 have been balanced out already in modules A1-A3.

Mandatory impact category indicators according to EN 15804

Results per declared unit																
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO_2 eq.	3.17 E-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GWP-fossil	kg CO_2 eq.	3.17 E-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GWP-biogenic	kg CO_2 eq.	1.89 E-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GWP-luluc	kg CO_2 eq.	2.12 E-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ODP	kg CFC 11 eq.	7.01 E-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AP	mol H^+ eq.	1.06 E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EP-freshwater	kg P eq.	5.36 E-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EP-marine	kg N eq.	2.61 E-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EP-terrestrial	mol N eq.	2.96 E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
POCP	kg NMVOC eq.	1.10 E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ADP-minerals&metals*	kg Sb eq.	4.68 E-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ADP-fossil*	MJ	3.71 E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WDP*	m^3	7.42 E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption															

** Disclaimer: 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 experienced with the indicator.*

Additional mandatory and voluntary impact category indicators

Results per declared unit																
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-GHG[1]	kg CO_2 eq.	3.17 E-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PM	Disease Incidence	1.02 E-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
IRP*	kBq U235 eq.	8.09 E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETP-fw**	CTUe	7.66 E-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HTP-c**	CTUh	8.74 E-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HTP-nc**	CTUh	2.73 E-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SQP**	Dimensionless	4.74 E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acronyms	GWP-GHG = Global Warming Potential for greenhouse gases; PM = Particulate Matter emissions; IR = Ionizing radiation, human health; ETP-fw = Eco-toxicity – freshwater; HTP-c = Human toxicity, cancer effect; HTP-nc = Human toxicity, non-cancer effects; SQP = Land use related impacts/Soil quality															

** Disclaimer: This 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.*
*** Disclaimer: 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 experienced with the indicator.*

Resource use indicators

Results per declared unit																
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	MJ	8.65 E-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PERM	MJ	4.37 E-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PERT	MJ	1.30 E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PENRE	MJ	3.71 E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PENRM	MJ	9.21 E-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PENRT	MJ	4.63 E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

[1] This indicator accounts for all greenhouse gases except biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. As such, the indicator is identical to GWP-total except that the CF for biogenic CO_2 is set to zero.

SM	kg	6.80 E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RSF	MJ	6.57 E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NRSF	MJ	0.00 E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FW	m^3	1.76 E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water															

Waste indicators

Results per declared unit															
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	1.10 E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Non-hazardous waste disposed	kg	1.20 E-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Radioactive waste disposed	kg	5.22 E-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Output flow indicators

Results per declared unit															
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	kg	0.00 E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Material for recycling	kg	0.00 E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Materials for energy recovery	kg	0.00 E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Exported energy, electricity	MJ	0.00 E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Exported energy, thermal	MJ	0.00 E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

LCA result of one declared unit product (A1-A3)	Unit	Min	Representative	Max
GWP-fossil	kg CO2 eq.	2.40E-01	3.17E-01	4.23E-01
GWP-biogenic	kg CO2 eq.	1.48E-04	1.89E-04	2.62E-04
GWP-luluc	**kg CO2 eq.**	**1.84E-04**	2.12E-04	**2.74E-04**
GWP-total	**kg CO2 eq.**	**2.40E-01**	**3.17E-01**	**4.23E-01**
ODP	**kg CFC 11 eq.**	**3.59E-08**	**7.01E-08**	**1.06E-07**
AP	**mol H+ eq.**	**8.61E-04**	**1.06E-03**	**1.39E-03**
EP-freshwater	**kg P eq.**	**4.02E-06**	**5.36E-06**	**7.57E-06**
EP- marine	**kg N eq.**	**2.13E-04**	**2.61E-04**	**3.30E-04**
EP-terrestrial	**mol N eq.**	**2.41E-03**	**2.96E-03**	**3.71E-03**
POCP	**kg NMVOC eq.**	**8.42E-04**	**1.10E-03**	**1.52E-03**
ADP-minerals&metals*	**kg Sb eq.**	**3.19E-06**	**4.68E-06**	**6.62E-06**
ADP-fossil*	**kg CO2 eq.**	**2.54E+00**	**3.71E+00**	**5.88E+00**
WDP*	**kg CO2 eq.**	**6.19E-02**	**7.42E-02**	**1.03E-01**
GWP-GHG	**kg CO2 eq.**	**2.40E-01**	**3.17E-01**	**4.23E-01**
ETP-fw	**CTUe**	**5.92E-01**	**7.66E-01**	**1.19E+00**
HTP-nc	**CTUh**	**2.13E-09**	**2.73E-09**	**3.63E-09**
HTP-c	**CTUh**	**7.62E-11**	**8.74E-11**	**1.06E-10**
IRP	**kBq U235 eq.**	**6.46E-03**	**8.09E-03**	**1.08E-02**
PM	**Disease Incidence**	**9.37E-09**	**1.02E-08**	**1.28E-08**
PENRT	**MJ**	**2.99E+00**	**4.63E+00**	**7.71E+00**
FW	**m3**	**1.48E-03**	**1.76E-03**	**2.43E-03**
PENRE	**MJ**	**2.54E+00**	**3.71E+00**	**5.88E+00**
PENRM	**MJ**	**4.45E-01**	**9.21E-01**	**1.83E+00**
PERE	**MJ**	**8.23E-01**	**8.65E-01**	**9.45E-01**
RSF	**MJ**	**5.18E-03**	**6.57E-03**	**8.82E-03**
SM	**kg**	**6.80E-02**	**6.80E-02**	**1.08E-01**
HWD	**kg**	**1.01E-02**	**1.10E-02**	**1.26E-02**
NHWD	**kg**	**8.64E-02**	**1.20E-01**	**2.01E-01**
RWD	**kg**	**3.93E-06**	**5.22E-06**	**7.36E-06**

The included products have similar functions, manufactured by a single company at one manufacturing site, with the same major steps in the A3/core processes. The variations of the results are due to differences in raw materials concentrations.

ABBREVIATIONS

Abbreviation	Definition
General Abbreviations	
EN	European Norm (Standard)
EPD	Environmental Product Declaration
EF	Environmental Footprint
GPI	General Programme Instructions
ISO	International Organization for Standardization
LCA	Life Cycle Assessment
PCR	Product Category Rules
c-PCR	Complementary Product Category Rules
CEN	European Committee for Standardization
CPC	Central product classification
Environmental Impact Indicators (EN 15804)	
GHG	Greenhouse gas
GWP	Global Warming Potential (kg CO_2 eq.)
GWP-fossil	Global Warming Potential from fossil sources (kg CO_2 eq.)
GWP-biogenic	Global Warming Potential from biogenic sources (kg CO_2 eq.)
GWP-luluc	Global Warming Potential from land use and land use change (kg CO_2 eq.)
GWP-total	Total Global Warming Potential (kg CO_2 eq.)
GWP-GHG	Global Warming Potential for greenhouse gases (kg CO_2 eq.)
ODP	Ozone Depletion Potential (kg CFC-11 eq.)
AP	Acidification Potential (mol H^+ eq.)
EP	Eutrophication Potential
EP-freshwater	Freshwater eutrophication potential (kg P eq.)
EP-marine	Marine eutrophication potential (kg N eq.)
EP-terrestrial	Terrestrial eutrophication potential (mol N eq.)
POCP	Photochemical Ozone Creation Potential (kg NMVOC eq.)
ADP	Abiotic Depletion Potential
ADP-minerals&metals	Abiotic depletion potential for non-fossil resources (kg Sb eq.)
ADP-fossil	Abiotic depletion potential for fossil resources (MJ)
WDP	Water Deprivation Potential (m^3)
Resource Use Indicators	
PERE	Use of renewable primary energy excluding renewable primary energy resources used as raw materials (MJ)
PERM	Use of renewable primary energy resources used as raw materials (MJ)
PERT	Total use of renewable primary energy resources (MJ)
PENRE	Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials (MJ)
PENRM	Use of non-renewable primary energy resources used as raw materials (MJ)
PENRT	Total use of non-renewable primary energy resources (MJ)
SM	Use of secondary material (kg)
RSF	Use of renewable secondary fuels (MJ)
NRSF	Use of non-renewable secondary fuels (MJ)
FW	Use of net fresh water (m^3)
Waste Indicators	
HW	Hazardous Waste (disposed) (kg)
NHW	Non-Hazardous Waste (disposed) (kg)
RW	Radioactive Waste (disposed) (kg)
Output Flow Indicators	
CFR	Components for Reuse (kg)
MR	Material for Recycling (kg)
MER	Materials for Energy Recovery (kg)
EEE	Exported Energy, Electricity (MJ)
EET	Exported Energy, Thermal (MJ)
Lifecycle Stages / Modules	
A1	Raw material supply
A2	Transport

A3	Manufacturing
A4	Transport to site
A5	Construction/Installation
B1	Use
B2	Maintenance
B3	Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	Deconstruction/Demolition
C2	Transport to waste processing
C3	Waste processing
C4	Disposal
D	Reuse-Recovery-Recycling potential
Other Relevant Terms	
SVHC	Substances of Very High Concern
MJ	Megajoule
kg	Kilogram
m^3	Cubic Meter
NMVOC	Non-Methane Volatile Organic Compounds
Sb eq.	Antimony Equivalents
P eq.	Phosphorus Equivalents
N eq.	Nitrogen Equivalents
CFC-11 eq.	Chlorofluorocarbon-11 Equivalents
CO_2 eq.	Carbon Dioxide Equivalents
kg C	Kilograms of Carbon
kg CO_2 eq.	Kilograms of Carbon Dioxide Equivalent
ND	Not Declared
GLO	Global
UK	United Kingdom

REFERENCES

a) General Programme Instructions of International EPD System. Version. 5.0.1.
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d) ISO 14040:2006 Environmental management - life cycle assessment - principles and framework. International Organization for Standardization, Geneva.
e) ISO 14044: 2006 Environmental management - life cycle assessment - requirements and guidelines. International Organization for Standardization, Geneva.
f) ISO 14025:2006, Environmental labels and declarations – Type III environmental declarations – Principles and procedures.

VERSION HISTORY

Original Version of the EPD, 2026-03-12

EPD
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