ENGINEERING TOMORROW

Environmental **Product Declaration**

DEVI & EC Heat heating mat

EPD issued	29.8.2023
EPD expires	29.8.2028
EPD author	Danfoss Climate Solutions
EPD type	Cradle-to-gate with options (A4, A5, C1-C4 & D)
Declared unit	1 m of cable with packaging
Products included	DEVI & EC Heat heating mat (sales codes present in Annex 1)
Manufacturing Location	Grodzisk, Poland
Use Location	Norway
Application	Multiple indoor floor constructions and pipe tracing applications
Mass	24,90 g without packaging (net weight) 38,90 g with packaging (gross weight)
Dimensions (H×W×D)	1 m
Verification	[ ] External [X] Internal [ ] None
Produced to	Danfoss Product Category Rules (2022-09)
Internal independent verifier	Danfoss Power Solutions

DISCLAIMER
This EPD was prepared to the best of knowledge of Danfoss A/S. The life cycle assessment calculations were performed in accordance with ISO 14040 & 14044 and EN15804+A2.
All results were internally reviewed by independent experts. While this declaration has followed the guidance of ISO 14025, it has not been externally verified or registered by an EPD programme and therefore does not fully comply with the ISO 14025 standard.
This EPD has been published by Danfoss A/S on Danfoss Product Store and Danfoss Website. For questions, feedback or requests please contact your Danfoss sales representative.

Introduction

This Environmental Product Declaration (EPD) follows the Danfoss Product Category Rules (PCR) (2022-09-20). These rules provide a consistent framework for calculating and reporting the environmental performance of Danfoss' products and is aligned with relevant international standards, particularly ISO 14025:2006 and EN 15804+A2:2019.

This document has been produced by Danfoss A/S following an internal verification process, but it is not a third-party verified document.

What is an EPD?

An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its lifecycle stages. This quantification is done by performing a Life Cycle Assessment (LCA) in line with a consistent set of rules known as a PCR (Product Category Rules).

An EPD provides:

- A product's carbon footprint together with other relevant environmental indicators, including air pollution, water use, energy consumption and waste, over its own life cycle (Modules A-C), as well as the expected benefits of reuse and recycling in reducing the impact of future products (Module D). See Table 1 for module descriptions.
- Environmental data allowing customers to calculate LCAs and produce EPDs for their own products.

Type of EPD

This EPD is of the type 'cradle-to-gate with options' and includes all relevant modules: production (A1-A3), shipping (A4), deconstruction (C1), waste collection and transport (C2), treatment (C3) and disposal (C4). It also includes potential net benefits to future products from recycling or reusing post-consumer waste (D). The codes in brackets are the module labels from EN 15804+A2. Module for installation and models concerning use, maintenance, repair, replacement, refurbishment, energy and operational water use (B7) are excluded, following the cut-off rules from EN 15804.

Table 1: Modules of the product's life cycle included in the EPD

Product stage			Installation		Use stage							End-of-life stage				Benefits
Raw materials	Transport	Manufacture	Transport	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-install.	Transport	Waste processing	Disposal	Benefits and loads outside system boundaries
A1	**A2**	**A3**	**A4**	**A5**	B1	B2	B3	B4	B5	B6	B7	**C1**	**C2**	**C3**	**C4**	**D**
X	**X**	**X**	**X**	X	MNR	MNR	MNR	MNR	MNR	MNR	MNR	**X**	**X**	**X**	**X**	**X**

(X = declared module; MNR = module not relevant)

Product Description

DEVIheat™ is a high-quality, braided screen, self-adhesive all-in-one mat with FEP insulated conductors and a red PVDF outer sheath (non-UV stable). The round profile, very low height (only 2.5 mm) and robust construction ensures a fast, simple, and safe installation perfect for renovating existing floors. The two cold leads have clearly visible connections to avoid accidentally installing the heated cable in the wall. To ensure a long lifetime, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our extended DEVIwarranty™

See more information about DEVIheat™ on Danfoss product store.

Figure 1: DEVIheat™ heating mat

Intended market.

The intended market of this study is Norway, and the baseline scenario involves the distribution, installation, and end-of-life in Norway.

Table 2: Product composition

Object description	Net weight	Unit	%
Resin FEP	2,18	g	9%
Wire Cu	11,13	g	45%
PVDF	3,38	g	14%
Masterbatch PVDF	0,04	g	0%
Kevlar	0,17	g	1%
Glass fiber	8,00	g	32%
Total product	**24,90**	**g**	**100%**
Cardboard	13,72	g	98%
PS	0,28	g	2%
Total packaging	**14,00**	**g**	**100%**
Product	24,90	g	64%
Packaging	14,00	g	36%
Total product & packaging	**38,90**	**g**	**100%**

Product Description

The EPD values were calculated for this composition, this composition represents the highest environmental values for all the product codes in DEVI & EC Heat heating mats, therefor it represents all the products in the heat heating mats product group. All sales codes covered by this EPD are shown in table 14 .

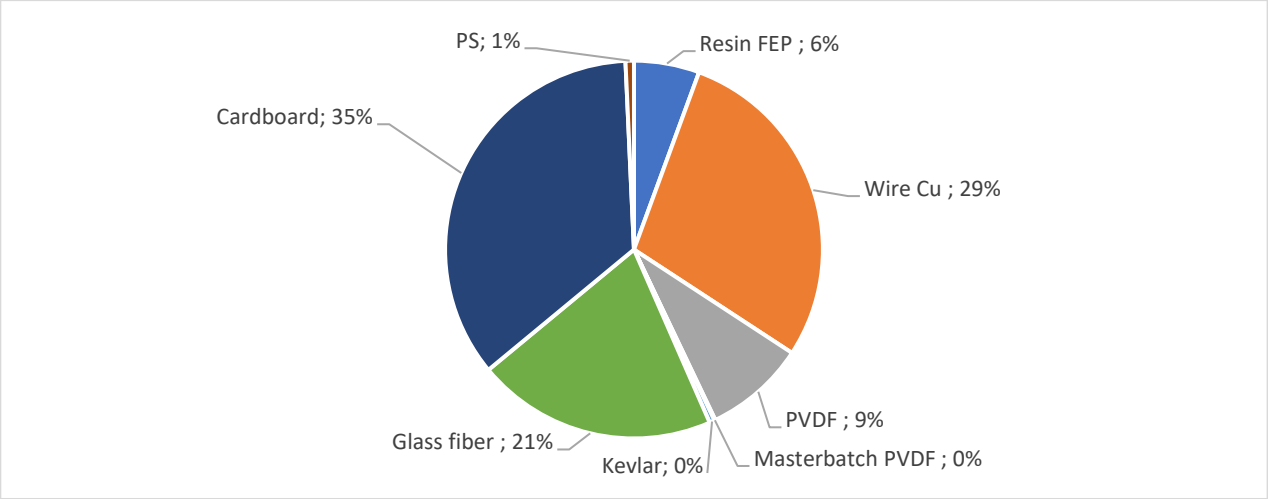

Figure 3: Material Composition Overview

The declared unit is 1 m of cable with packaging, with the mass of 38,90 g

This EPD covers multiple sales codes for Heat heating mats. The outer insulation of the heating cables is made from the same material for all sales coded. Within these sales codes, there are 3 material combinations for the heating part (metal wire) of the heating cables. Table 3 shows the material compositions for all 3 combinations.

Table 3: Product composition for Heat heating mats codes

Cable type	Heat cable combinations
a	Copper
b	Stainless steel
c	Stainless steel
	Kevlar

Overview of LCA study

Data quality

Data quality of the selected datasets is generally assessed as good and very good in terms of geographical, time and technology representativeness and applicability. Background data is from LCA software LCA for experts (Sphera) database version 2023.1.

Allocation and cut-off criteria

The allocation is made in accordance with the provisions of EN 15804+A2. All major raw materials and all the essential energy are included. All hazardous materials and substances are considered in the inventory. Data sets within the system boundary are complete and fulfil the criteria for the exclusion of inputs and output criteria. No known material or energy flows were ignored, including those which fell below the limit of 1%. Accordingly, the total sum of input flows ignored is certainly less than 5% of the energy and mass applied.

Due to its low mass Kevlar is excluded from the study. Glass was used to represent glass fiber in the LCA study. PET was used to represent FEP and PVC was used to represent PVDF in the LCA study.

Accordingly, the total sum of input flows ignored is certainly less than 5% of the energy and mass applied.

System boundaries

The results in this EPD are split into life cycle modules following EN 15804 (Figure 1): production (A1-A3), distribution (A4), (A5) installation and the end of the product's life (C1-C4). Module D represents environmental benefits and loads that occur beyond the system boundary (i.e., in future products).

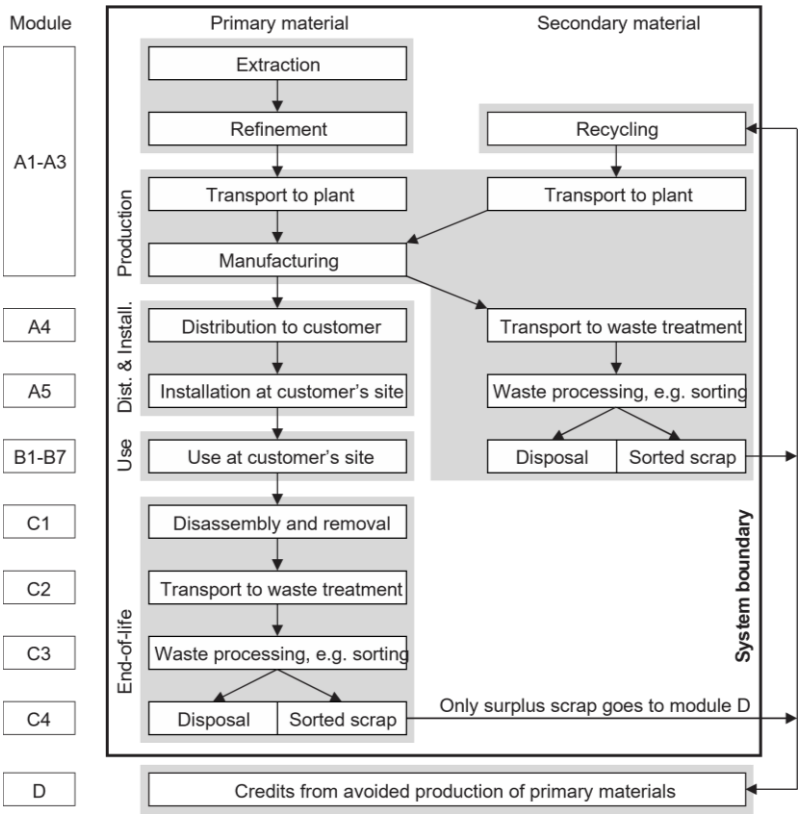

Figure 4: Modular structure used in this EPD (following EN 15804+A2)

Overview of LCA study

Product and packaging manufacture (A1-A3)

Final manufacturing occurs in the Grodzisk plant, Poland, data collected for year 2022. The raw materials are mainly sourced from Europe. Electricity is used to press the heating metal core together with the outside shell. Electricity consumption was calculated as the sum of total yearly electricity consumption divided by total m of cables made. The product is then cut to desired length and shipped to the costumer. The facility is certified according to ISO 9001 & ISO 14001. Where waste generated on-site is recyclable, it is separated and recycled. For further information, see here. The manufacturing plant also uses GOs, for its electricity consumption (Wind powered electricity).

Table 4: Biogenic carbon content in product

	Total (excluding recycling)
Biogenic carbon content in packaging [kg]	5,90E-03

Note: 1 kg biogenic carbon is equivalent to 44/12 kg of CO_2.

Shipping and installation (A4-A5)

The intended market for Heat heating mats is Norway. The assembly factory is in Poland, so a distance of 1162 km by truck and 163 km by container ship (representing a ferry) was used to represent the distance between the factory and the final customer.

Module A5 includes disposal of packaging materials only, the benefits from e.g., energy recovered after plastic incineration are allocated to module D. The product is assumed to be installed by hand and there is no loss of product during installation. Energy use in handheld tools during installation is not included as it falls under the cut-off criteria.

End-of-life (C1-C4)

The following end-of-life procedure has been applied:

- Manual dismantling is used to separate recyclable bulk materials, e.g. bulk metals and plastics.
- Shredding is used for the remaining parts, such as printed circuit board assemblies.
- Ferrous metals, non-ferrous metals and bulk plastics are recovered through recycling.
- The remaining materials go to either energy recovery or landfill.

In line with EN 15804+A2, only the 'net scrap' (i.e., the leftover recyclable materials remaining after inputs of recycled content required in the manufacturing phase are first satisfied) is used to calculate the benefits and loads beyond the system boundary (Module D).

For this EPD an average scenario with 50% of the product sent to recycling & 50% of the product sent to landfill (C3, C4, D) was used.

This scenario is designed to represent an average end-of-life scenario.

For the EPD this average scenario was chosen as it is assumed that it represents the majority of cases on average.

Overview of LCA study

1. Recycling scenario with 100% of the product sent to recycling at the end-of-life, excluding fractions that cannot be recycled or incinerated (e.g., glass reinforcing in glass-filled plastics) and are sent to landfill.

This scenario illustrates best case performance. It assumes a 100% collection rate and best available recycling technologies. Under this scenario electrical cables, and all metals, flat glass and unreinforced plastics found within the body and chassis of the product are recycled. Printed circuit board assemblies are incinerated, and the copper and precious metals (gold, silver, palladium, and platinum) are recycled.

2. Landfill scenario with 100% of the product sent to landfill.

This scenario assumes that the whole product, including its packaging, is landfilled. It is designed to represent a poor end of-life-route where valuable resources are lost.

Benefits and loads beyond the system boundary (D)

Module D considers the net benefit of recycling (including energy recovery) of materials in the product and packaging, taking account of losses in the recycling process and the recycled material used in the production of the product. Module D covers the two end-of-life scenarios, as described above.

Environmental performance

This section presents the environmental performance of 1 m of Heat heating mats with packaging. Figure 5 presents the environmental impact of 1m of Heat heating mat across a number of environmental impact categories (following EN 15804+A2:2019) per life cycle stage, over its full life cycle, including Global Warming Potential.

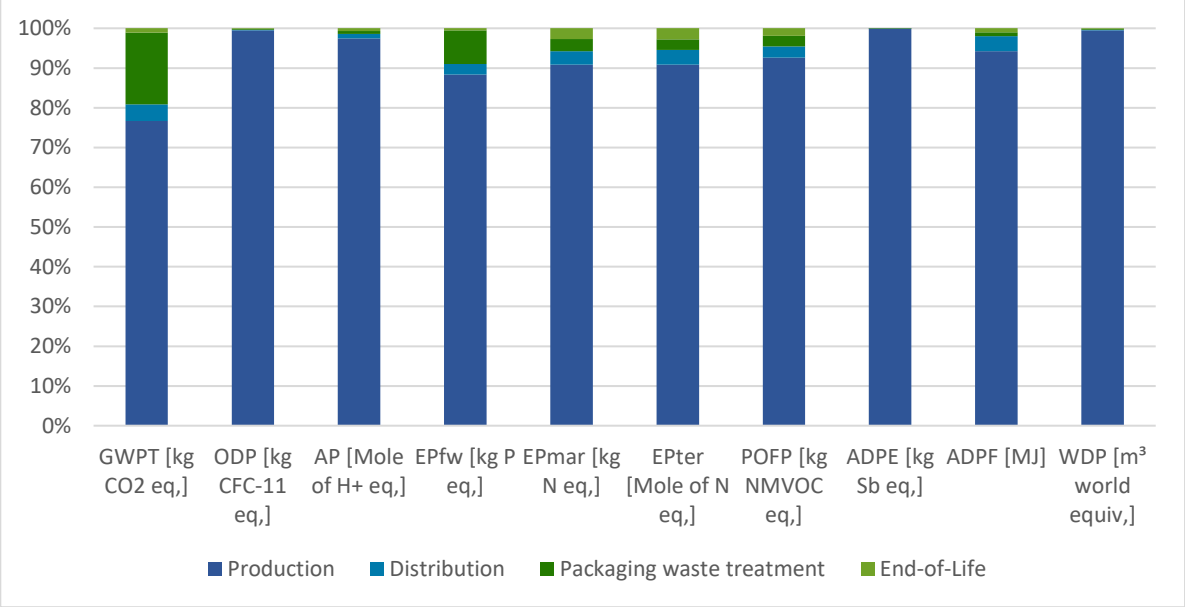

Figure 5: Breakdown of environmental impacts by life cycle stages (see Table 7 for descriptions of environmental impact indicators).

Table 5: Environmental impact indicators

	Production	Distribution	Packaging waste treatment	End-of-Life				(not included in Figure 5)
Life cycle stages based on EN 15804+A2	**A1-A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Description / **Environmental Impact Indicators**	Manufacture of the product from 'cradle-to-gate'	Transport of the product to the customer	Installation of the product and disposal of used packaging	Deinstallation of the product from the site	Transport of the product to waste treatment	Processing waste for recycling	Disposal of waste that cannot be recycled (through landfill and incineration)	Potential benefits and loads beyond the system boundary due to reuse, recycling, and energy recovery
GWPT [kg CO2 eq.]	9,76E-02	5,37E-03	2,30E-02	0,00E00	2,52E-04	8,28E-04	3,27E-04	-2,65E-02
GWPF [kg CO2 eq.]	1,19E-01	5,32E-03	1,35E-03	0,00E00	2,52E-04	8,20E-04	3,26E-04	-2,64E-02
GWPB [kg CO2 eq.]	-2,16E-02	0,00E+00	2,16E-02	0,00E00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
GWPLULUC [kg CO2 eq.]	2,60E-04	4,82E-05	1,36E-06	0,00E00	6,10E-09	7,50E-06	5,80E-07	-9,35E-05
ODP [kg CFC-11 eq.]	4,26E-13	6,83E-16	8,96E-16	0,00E00	2,95E-20	1,05E-16	4,75E-16	-1,08E-13
AP [Mole of H+ eq.]	1,03E-03	1,23E-05	7,17E-06	0,00E00	3,46E-07	5,10E-06	2,16E-06	-4,77E-04
EPfw [kg P eq.]	6,32E-07	1,90E-08	6,08E-08	0,00E00	5,46E-11	2,96E-09	7,00E-10	-4,64E-08
EPmar [kg N eq.]	1,15E-04	4,36E-06	3,87E-06	0,00E00	1,38E-07	2,49E-06	7,55E-07	-2,58E-05
EPter [Mole of N eq.]	1,21E-03	4,96E-05	3,53E-05	0,00E00	1,52E-06	2,76E-05	8,30E-06	-2,68E-04
POFP [kg NMVOC eq.]	3,37E-04	1,04E-05	9,66E-06	0,00E00	3,28E-07	4,73E-06	1,82E-06	-9,20E-05
ADPE [kg Sb eq.]	3,50E-05	3,43E-10	6,89E-11	0,00E00	8,98E-12	5,35E-11	1,36E-11	-2,15E-05
ADPF [MJ]	1,78E+00	7,20E-02	1,83E-02	0,00E00	3,64E-03	1,10E-02	4,50E-03	-3,02E-01
WDP [m^3 world equiv.]	3,42E-02	6,30E-05	8,23E-05	0,00E00	4,26E-07	9,75E-06	2,06E-05	-1,69E-02

Table 6: GWPT-GHG indicator

	Production	Distribution	Packaging waste treatment	End-of-Life				
Life cycle stages based on EN 15804+A2	**A1-A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Description / **Environmental Impact Indicators**	Manufacture of the product from 'cradle-to-gate'	Transport of the product to the customer	Installation of the product and disposal of used packaging	Deinstallation of the product from the site	Transport of the product to waste treatment	Processing waste for recycling	Disposal of waste that cannot be recycled (through landfill and incineration)	Potential benefits and loads beyond the system boundary due to reuse, recycling, and energy recovery
GWPT-GHG [kg CO2 eq.]	1,19E-01	5,37E-03	1,35E-03	0,00E+00	2,52E-04	8,28E-04	3,27E-04	-2,65E-02

*the GWPT-GHG environmental indicator is calculated without the biogenic global warming potential (GWPB), the formula is GWPT-GHG = GWPF + GWPLULUC

How to read scientific numbers:

e.g. 2,05E02 = 2,05 x 10^{2} = 205

2,04E-01 = 2,04 x 10^{-1} = 0,204

Table 7: Environmental impact indicator descriptions

Acronym	Unit	Indicator
GWPT	kg CO_2 eq.	Carbon footprint (Global Warming Potential) – total
GWPF	kg CO_2 eq.	Carbon footprint (Global Warming Potential) – fossil
GWPB	kg CO_2 eq.	Carbon footprint (Global Warming Potential) – biogenic
GWPLULUC	kg CO_2 eq.	Carbon footprint (Global Warming Potential) – land use and land use change
ODP	kg CFC-11 eq.	Depletion potential of the stratospheric ozone layer
AP	Mole H+ eq.	Acidification potential
EPfw	kg P eq.	Eutrophication potential – aquatic freshwater
EPmar	kg N eq.	Eutrophication potential – aquatic marine
EPter	Mole of N eq.	Eutrophication potential – terrestrial
POFP	kg NMVOC eq.	Summer smog (photochemical ozone formation potential)
ADPE*	kg Sb eq.	Depletion of abiotic resources – minerals and metals
ADPF*	MJ	Depletion of abiotic resources – fossil fuels
WDP*	m^3 world eq.	Water deprivation potential (deprivation-weighted water consumption)

Results for module A1-A3 are specific to the product. All results from module A4 onwards should be considered as scenarios that represent one possible outcome. The true environmental performance of the product will depend on actual use.

The results in this section are relative expressions only and do not predict actual impacts, the exceeding of thresholds, safety margins, or risks. EPDs from others may not be comparable.

Carbon footprint

The total carbon footprint (GWPT), cradle-to-grave, of the product is 1,27E-01 kg CO2-eq (A1-C4). The carbon footprint (GWPT) of production of this product, cradle-to-gate, is 9,76E-02 kg CO2-eq (A1-A3).

Table 8: Resource use

	A1-A3	A4	A5	C1	C2	C3	C4	D
PERE [MJ]	7,24E-01	5,16E-03	1,11E-03	0,00E00	1,20E-05	8,00E-04	4,11E-04	-7,36E-02
PERM [MJ]	0,00E00	0,00E00	0,00E+00	0,00E00	0,00E00	0,00E+00	0,00E+00	0,00E+00
PERT [MJ]	7,24E-01	5,16E-03	1,11E-03	0,00E00	1,20E-05	8,00E-04	4,11E-04	-7,36E-02
PENRE [MJ]	1,78E+00	7,23E-02	1,91E-02	0,00E00	3,65E-03	1,11E-02	4,51E-03	-3,61E-01
PENRM [MJ]	5,88E-04	0,00E00	0,00E+00	0,00E00	0,00E00	0,00E+00	0,00E+00	0,00E+00
PENRT [MJ]	1,78E+00	7,23E-02	1,91E-02	0,00E00	3,65E-03	1,11E-02	4,51E-03	-3,61E-01
SM [kg]	8,71E-03	0,00E00	0,00E+00	0,00E00	0,00E00	0,00E+00	0,00E+00	0,00E+00
RSF [MJ]	0,00E00	0,00E00	0,00E+00	0,00E00	0,00E00	0,00E+00	0,00E+00	0,00E+00
NRSF [MJ]	0,00E00	0,00E00	0,00E+00	0,00E00	0,00E00	0,00E+00	0,00E+00	0,00E+00
FW [m3]	9,25E-04	5,65E-06	2,62E-06	0,00E00	1,93E-08	8,80E-07	6,35E-07	-2,88E-04

Table 9: Resource use indicator descriptions

Acronym	Unit	Indicator
PERE	MJ	Use of renewable primary energy excluding renewable primary energy resources used as raw materials
PERM	MJ	Use of renewable primary energy resources used as raw materials
PERT	MJ	Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)
PENRE	MJ	Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials
PENRM	MJ	Use of non-renewable primary energy resources used as raw materials
PENRT	MJ	Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)
SM	kg	Use of secondary material
RSF	MJ	Use of renewable secondary fuels
NRSF	MJ	Use of non-renewable secondary fuels
FW	m^3	Net use of fresh water

Table 10: Waste categories and output flows

	A1-A3	A4	A5	C1	C2	C3	C4	D
HWD [kg]	5,31E-09	2,24E-13	6,42E-13	0,00E00	2,51E-14	3,43E-14	6,95E-14	-2,91E-11
NHWD [kg]	2,02E-02	1,09E-05	5,20E-03	0,00E00	3,65E-07	1,69E-06	1,24E-02	-1,02E-02
RWD [kg]	3,51E-05	1,34E-07	1,15E-07	0,00E00	3,90E-09	2,07E-08	3,06E-08	3,19E-06
CRU [kg]	0,00E00	0,00E00	0,00E00	0,00E00	0,00E00	0,00E+00	0,00E+00	0,00E+00
MFR [kg]	0,00E00	0,00E00	0,00E00	0,00E00	0,00E00	0,00E+00	7,20E-03	0,00E+00
MER [kg]	0,00E00	0,00E00	0,00E00	0,00E00	0,00E00	0,00E+00	0,00E+00	0,00E+00
EEE [MJ]	0,00E00	0,00E00	0,00E00	0,00E00	0,00E00	0,00E+00	0,00E+00	0,00E+00
EET [MJ]	0,00E00	0,00E00	0,00E00	0,00E00	0,00E00	0,00E+00	0,00E+00	0,00E+00

Table 11: Waste category and output flow descriptions

Acronym	Unit	Indicator
HWD	kg	Hazardous waste disposed
NHWD	kg	Non-hazardous waste disposed
RWD	kg	Radioactive waste disposed
CRU	kg	Components for reuse
MFR	kg	Materials for recycling
MER	kg	Materials for energy recovery
EEE	kg	Exported energy (electrical)
EET	kg	Exported energy (thermal)

Table 12: Additional indicators*

	A1-A3	A4	A5	C1	C2	C3	C4	D
PM [Disease incidences]	8,59E-09	1,21E-10	5,32E-11	0,00E00	4,81E-12	3,28E-11	2,15E-11	-3,90E-09
IRP [kBq U235 eq.]	5,41E-03	2,00E-05	1,51E-05	0,00E00	5,53E-07	3,09E-06	3,61E-06	5,52E-04
ETPfw [CTUe]	1,22E+00	5,11E-02	1,59E-02	0,00E00	2,64E-03	7,85E-03	2,76E-02	-3,36E-01
HTPc [CTUh]	5,73E-11	1,05E-12	4,54E-13	0,00E00	4,91E-14	1,61E-13	2,36E-13	-2,16E-11
HTPnc [CTUh]	4,68E-09	5,85E-11	4,37E-11	0,00E00	2,14E-12	1,01E-11	2,43E-11	-1,91E-09
SQP [Pt]	1,71E+00	2,96E-02	2,72E-03	0,00E00	9,32E-06	4,61E-03	6,05E-04	-3,15E-01

Table 13: Optional indicator descriptions

Acronym	Unit	Indicator
PM	Disease incidence	Potential incidence of disease due to particulate matter emissions
IRP**	kBq U235 eq.	Potential human exposure efficiency relative to U235
ETPfw*	CTUe	Potential Comparative Toxic Unit for ecosystems (fresh water)
HTPc*	CTUh	Potential Comparative Toxic Unit for humans (cancer)
HTPnc*	CTUh	Potential Comparative Toxic Unit for humans (non-cancer)
SQP*	Dimensionless	Potential soil quality index

**Disclaimer for ADPE, ADPF, WDP, ETPfw, HTPc, HTPnc, SQP:* The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

***Disclaimer for ionizing radiation:* 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 nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

Annex 1: The sales codes of all products covered in this EPD

To calculate the actual GWPT of purchased product, just multiply the GWPT form this EPD with the length [m] of the purchased product sales code.

Example:

Sales code: 088L0550

Length: 6,93 m

GPWT: 0,127 kgCO2eq/m

Greenhouse gases from the cable 6,93 m x 0,127 kgCO2eq/m = 0,88011 kgCO2eq

Table 14: Heat sales codes, covered by this EPD

Devi HEAT			
Sales code	Product description	Length [m]	Combination
088L0550	ECheat 150S 0,5m² 230V 75W	6,93	c
088L0551	ECheat 150S 1m² 230V 150W	12,6	c
088L0552	ECheat 150S 1,5m² 230V 225W	19,215	b
088L0553	ECheat 150S 2m² 230V 300W	25,83	b
088L0554	ECheat 150S 2,5m² 230V 375W	31,5	b
088L0555	ECheat 150S 3m² 230V 450W	38,115	b
088L0556	ECheat 150S 3,5m² 230V 525W	44,73	b
088L0557	ECheat 150S 4m² 230V 600W	50,4	a
088L0558	ECheat 150S 5m² 230V 750W	63,63	a
088L0559	ECheat 150S 6m² 230V 900W	75,2	a
088L0560	ECheat 150S 7m² 230V 1050W	88,2	a
088L0561	ECheat 150S 8m² 230V 1200W	101,115	a
088L0562	ECheat 150S 9m² 230V 1350W	113,715	a
088L0563	ECheat 150S 10m² 230V 1500W	126	a
140F0328	DEVIheat 150S 0,5m² 230V 75W	6,93	c
140F0329	DEVIheat 150S 1m² 230V 150W	12,6	c
140F0330	DEVIheat 150S 1,5m² 230V 225W	19,215	b
140F0331	DEVIheat 150S 2m² 230V 300W	25,83	b
140F0332	DEVIheat 150S 2,5m² 230V 375W	31,5	b
140F0333	DEVIheat 150S 3m² 230V 450W	38,115	b
140F0334	DEVIheat 150S 3,5m² 230V 525W	44,73	b
140F0335	DEVIheat 150S 4m² 230V 600W	50,4	a
140F0336	DEVIheat 150S 5m² 230V 750W	63,63	a
140F0337	DEVIheat 150S 9m² 230V 1350W	113,715	a
140F0338	DEVIheat 150S 6m² 230V 900W	75,2	a
140F0339	DEVIheat 150S 7m² 230V 1050W	88,2	a
140F0340	DEVIheat 150S 8m² 230V 1200W	101,115	a

140F0341	DEVIheat 150S 10m² 230V 1500W	126	a
140F0399	DEVIheat Sport 90S 0,5x70,5m 230V 3245W	354,3	a
140F1720	DEVIheat 150S 150W 230V 0.5X2m OPTI	12,6	c
140F1721	DEVIheat 150S 225W 230V 0.5X3m OPTI	19,215	b
140F1722	DEVIheat 150S 300W 230V 0.5X4m OPTI	25,83	b
140F1723	DEVIheat 150S 375W 230V 0.5X5m OPTI	31,5	b
140F1724	DEVIheat 150S 450W 230V 0.5X6m OPTI	38,115	b
140F1725	DEVIheat 150S 600W 230V 0.5X8m OPTI	50,4	a
140F1726	DEVIheat 150S 750W 230V 0.5X10m OPTI	63,63	a
140F1727	DEVIheat 150S 900W 230V 0.5X12m OPTI	75,2	a
140F1728	DEVIheat 150S 1200W 230V 0.5x16m OPTI	101,115	a
140F1729	DEVIheat 150S 1500W 230V 0.5x20m OPTI	126	a
140F9976	DEVIheat Sport Special Order	354,3	a
140F9989	DEVIheat Mat Special Order	75,915	a
140F9995	DSVF Cable Special Order,	1	a
83000300	DEVIheat Mirror 150S 0,6x0,8m 230V 75W	9,04	c
83000301	DEVIheat Mirror 150S 0,5x0,7m 230V 50W	6,6	c

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