

THIRD-PARTY VERIFIED

ENVIRONMENTAL PRODUCT DECLARATION

COLORTEC ORIGIN



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

Programme:	The International EPD® System
Programme operator:	EPD International AB
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An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at 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
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Accountabilities for PCR, LCA and independent, third-party verification
Product Category Rules (PCR)
CEN standard EN 15804 serves as the Core Product Category Rules (PCR)
Product Category Rules (PCR): Construction Products 2019:14, version 1.11 (GPI 3.01). c-PCR-004 Resilient, textile and laminate floor coverings UN CPC code: 27230.
PCR review was conducted by: The Technical Committee of the International EPD® System Chair of the PCR review: Martin Erlandsson, IVL Swedish Environmental Research Institute, martin.erlandsson@ivl.se
Life Cycle Assessment (LCA)
LCA Report: Colortec – ORIGIN LCA Report V2 ReFlow ApS. Bryggervangen 55, 2100 København Ø, Denmark CVR: 39843870 www.re-flow.io
Third-party verification
Independent third-party verification of the declaration and data, according to ISO 14025:2006, via: ☒ EPD verification by individual verifier Marcel Gómez Ferrer, Marcel Gómez Consultoría Ambiental S.L. (+34) 630 643 593, info@marcelgomez.com Approved by: The International EPD® System
Procedure for follow-up of data during EPD validity involves third party verifier: ☒ Yes ☐ No

EPDs within the same product category but from different programmes may not be comparable.
The EPD owner has the sole ownership, liability and responsibility of the EPD.

EPDs within the same product category but registered in different EPD programmes, or not compliant with EN 15804, may not be comparable. For two EPDs to be comparable, they must be based on the same PCR (including the same 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 equivalent system boundaries and descriptions of data; apply equivalent

data quality requirements, methods of data collection, and allocation methods; apply identical cut-off rules and impact assessment methods (including the same version of characterisation factors); have equivalent content declarations; and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

Company information

Owner of the EPD: Dansk Wilton A/S

Contact: Lone Ditmer. Højskolevej 3, 7400 Herning, Denmark. +45 97123366

Description of the organisation: Dansk Wilton is one of the leading manufacturers of custom designed carpets for the international hospitality industry – hotels and cruise ships worldwide.

Dansk Wilton supply carpet solutions and value to our customers founded on quality, design, and complete solutions adapted to the customer. We do this with a constant focus on our company's environmental and social impact and we aim for sustainable development.

Our complete Colortec carpet range is Cradle to Cradle Certified®, in this way we support the hospitality industry in their focus on increased sustainability and resource management.

Dansk Wilton relies on years of experience, innovative thinking, and highly skilled Danish craftsmanship – and a deep understanding of our customers.



Product-related or management system-related certifications: Cradle to Cradle - *Made for tomorrow*.

Our Colortec carpet range is Cradle to Cradle Certified® with certification numbers 5684 and 5685.

The Cradle to Cradle Certified® Product Standard has been developed on the basis of the Cradle-to-Cradle concept. The standard is administrated by the independent non-profit organisation, the Cradle-to-Cradle Products Innovation Institute. Products are assessed by a qualified independent assessment body accredited by the Institute, which verifies the assessment and issues the certificate.

Cradle to Cradle Certified® requires continual improvement in products and processes and ensures a holistic approach to sustainability, as products and companies are assessed within the following five categories: Material Health, Product Circularity, Clean Air and Climate Protection, Water and Soil Stewardship and Social Fairness.

Name and location of production site(s): Dansk Wilton factory. Herning (Denmark)

Geographical scope: Denmark

Product information

Product name: Colortec ORIGIN

Product identification: Colortec ORIGIN tufted carpet with pre dyed yarns in an 80/20 wool blend and qualities range from 1100 g/m² to 1900 g/m² and different secondary backings: Felt 500g, Felt 300g and Textile.

Product variations declared within the scope of this EPD:

- Colortec ORIGIN 500g Felt, 1100g/m²
- Colortec ORIGIN 500g Felt, 1300g/m²
- Colortec ORIGIN 500g Felt, 1500g/m²
- Colortec ORIGIN 300g Felt, 1100g/m²
- Colortec ORIGIN 300g Felt, 1300g/m²
- Colortec ORIGIN 300g Felt, 1500g/m²
- Colortec ORIGIN Textile, 1100g/m²
- Colortec ORIGIN Textile, 1300g/m²
- Colortec ORIGIN Textile, 1500g/m²



Product description:

Colortec ORIGIN carpets are manufactured with modern tufting technology.

The Colortec ORIGIN carpet solution is targeted the hospitality industry and operators that pay special attention to sustainability and responsible consumption, without compromising on aesthetics and design as an important part of the guest experience.

Colortec ORIGIN is based on natural un-dyed wool. By sourcing the natural undyed wool from black, brown, grey, golden and white sheep we have created a palette of 8 beautiful yarns, all created by mixing the raw wool – in different colours and from different sheep breeds. This results in carpets with absolutely no dyes.

The colour is mixed before the spinning process. It is a very meticulous process, done by hand, to ensure the right nuance. Colortec ORIGIN is custom designed carpet solutions using a yarn blend of 80% wool and 20% nylon. Colortec ORIGIN is available with a wide range of performance characteristics, designed to be suitable for many spaces – from hotel rooms to high traffic public areas.

Dansk Wilton produces Colortec ORIGIN in 400 or 500 cm width. It comes with either an integrated textile or felt backing which optimizes the handling process during installation.

Colortec ORIGIN provides unlimited design possibilities using up to 7 colours and qualities range from 1100 g/m² to 1900 g/m².

Product specification		Pile Weight (g/m ²)	Density 2/3	Pile Height (mm) Approx.	Total Height (mm) Approx.	Total Weight (g/m ²) Approx.
Colortec ORIGIN / 500g	Felt backing	1100	9/-	7	12	2130/1900
Colortec ORIGIN / 500g	Felt backing	1300	10/-	7	12	2330/2100
Colortec ORIGIN / 500g	Felt backing	1500	12/-	7	12	2530/2300
Colortec ORIGIN / 300g	Felt backing	1100	9/-	7	11	1930/1700
Colortec ORIGIN / 300g	Felt backing	1300	10/-	7	11	2130/1900
Colortec ORIGIN / 300g	Felt backing	1500	12/-	7	11	2330/2100
Colortec ORIGIN / Textile	Textile	1100	9/-	7	9.5	1740/1600
Colortec ORIGIN / Textile	Textile	1300	10/-	7	9.5	1940/1780
Colortec ORIGIN / Textile	Textile	1500	12/-	7	9.5	2140/1970

Density: Measured in rows/inch. Indicate number of tufts per inch .

Pile height: Indicate the height in mm of the pile above the substrate. EN ISO 1766

Pile weight: Conditioned yarn weight in g/m², tufted into the carpet. Tolerance –10% +15%.

Total weight: Indicate the total weight in g/m² of the finished carpet. Tolerance according to EN 1307 standards: +/- 15 %. Conditioned yarn weight/unconditioned yarn weight.

Test methods and Tolerances: Referring to: European Norm of Textile floor coverings – Classification of pile carpet EN 1307, 2005. Requirement for tolerances on dimensions of wall-to-wall carpet and pattern repeat: 14159 CEN/TS

UN CPC code: 27230. Carpets and other textile floor coverings, tufted.

Geographical scope: Module A: Estonia and Denmark. Module B: Europe. Module C : Europe.

LCA information

Functional unit: 1 m² of carpet.

Product components	Density 1100g/m ²			Density 1300g/m ²			Density 1500 g/m ²			Unit
	500g	300g	Textile	500g	300g	Textile	500g	300g	Textile	
Secondary Backing:										
Functional Unit	1	1	1	1	1	1	1	1	1	m ²
Mass	2168.4	1968.4	1753.4	2368.4	2168.4	1953.4	2568.4	2368.4	2153.4	g/m ²
Conversion factor to 1kg	0.4612	0.5080	0.5703	0.422	0.4612	0.5119	0.3893	0.4222	0.4644	-

Reference service life: 1 year for the LCA study.

Colortec carpets have a minimum technical lifetime of 8-10 years for regular traffic.

Time representativeness: The LCA study, based on data from Dansk Wilton in 2021 and 2022, was conducted and reported in Denmark in March 2023.

Database(s) and LCA software used: The environmental definition of processes utilised data from the Ecoinvent database (version 3.8) and SimaPro 9.3 Professional as software.

Description of system boundaries: Cradle to grave and module D (A + B + C + D).

The system boundary is based on the EN 15804 description:

A	Product Stage	A1 – A2 – A3	Considered
	Construction Process Stage	A4 – A5	Considered
B	Use Stage	B1 – B2	Considered
		B3 – B7	Considered
C	End-of-Life	C1 – C4	Considered
D	Benefits and Loads beyond the System Boundaries	D	Considered

According to the PCR's cut-off criteria, the LCA is considered the Complete Type. The modularity and Polluter Payer principles were also considered. All available data was utilized to develop LCI data following EN 15804, including total mass and energy inflows per module.

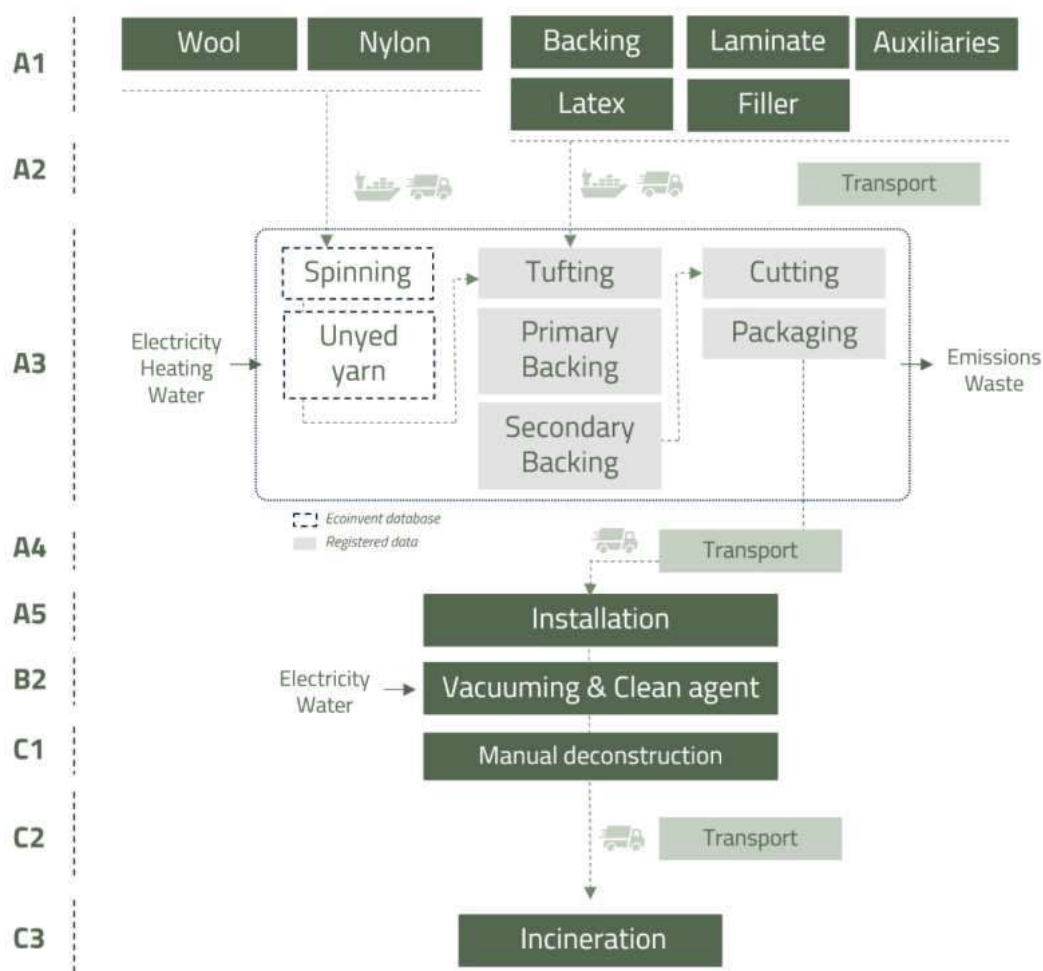
Allocations made: All available data were incorporated according to EN15804:2012+A2:2019. The LCI data include total input flows (mass and energy) per module as defined by the PCR. The primary data and all external data from suppliers were also requested and collected. The Ecoinvent database v.3.8 was allocated generic data when no direct information was available. The annual production of each product allocated the factories' overall material and energy consumption values for one year to provide a weight per square metre of carpet produced.

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

	Product stage			Construction process stage		Use stage							End of life stage				Resource recovery stage
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction	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	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Geography	GLO	EU	EE / DK	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU
Specific data used	>90% GWP			LCI DATA	LCI DATA	-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	0%					-	-	-	-	-	-	-	-	-	-	-	-
Variation – sites	0%					-	-	-	-	-	-	-	-	-	-	-	-

Data Quality Assessment: The analysis was conducted on the data's quality, completeness, and consistency. The Process Phase of the product was considered for the Pedigree assessment, and this is because phases A1-A3 contribute to about 90% of the total environmental impact in GWP. A score of 1.58, with very high quality was achieved on a scale of 1 to 5, with 1 representing very high quality and 5 representing very low quality.

System diagram:



A · Product and Construction Stage (A1 – A5):

The raw materials considered in module A1 for the different qualities of ORIGIN carpet are:

Product components	Weight (%)			Post-consumer material weight-%	Biogenic material weight-% and kg C/kg
	Density 1100g/m2	Density 1300g/m2	Density 1500g/m2		
Pile Material: Pure new wool	40 - 50%	44 - 54%	45 - 60%	0%	0%
Pile Material: Antistatic polyamide	10 - 13%	11 - 13%	12 - 14%	0%	0%
Primary Backing: 100% PP	5 - 7%	5 - 7%	5 - 6%	0%	0%
S-B binder:	4 - 6%	4 - 6%	4 - 5%	0%	0%
Adhesion promoter	0.1 - 0.3%	0.1 - 0.3%	0.2%	0%	0%
Dispersent	0.05 - 0.1%	0.05 - 0.1%	0.05 - 0.07%	0%	0%
Foaming agent	0.1%	0.1%	0.1%	0%	0%
Filler	8 - 10%	7 - 10%	7 - 9%	0%	0%
Thickener	0.1%	0.1%	0.1%	0%	0%
Secondary backing: PP film	6 - 9%	6 - 8%	5 - 7%	0%	0%
Secondary backing	5 - 25%	5 - 20%	3 - 20%	0%	0%
TOTAL	100%	100%	100%	0%	0%

During the life cycle of the products no hazardous substances included in the Candidate List of Substances for Authorisation (SVHC) have been used in a percentage higher than 0.1% of the weight of the product.

The module A2 considers the transport mode and travel distance of all raw material suppliers' impact on the product assembly factory from one location or another.

The ORIGIN carpet is characteristic because during the manufacturing process, its yarn is natural, and no dyeing and colouring process is carried out.

After the spinning process of the yarn is completed, the undyed yarn is prepared to start the tufting process in Dansk Wilton's factory in Herning, Denmark. The yarn, making out the pile material of the carpet, is tufted into the primary backing. The construction of the ORIGIN carpet is finalized when the secondary backing is bonded to the pile material at the Manufacturing stage A3. Finally, the carpet is packed, and prepared for shipment to the customer – in some cases the carpet is pre-cut prior to delivery before packed and shipped.

Packaging materials	Weight (kg)			Post-consumer material weight-%	Biogenic material weight-% and kg C/kg
LDPE Packaging Film	1.09E-4	1.09E-4	1.09E-4	0%	0%
Carboard	6.00E-3	6.00E-3	6.00E-3	0%	0%
TOTAL	6.11E-3	6.11E-3	6.11E-3	0%	0%

The transportation phase A4 brings together the impact of transporting a one-metre square carpet from the Dansk Wilton factory to the place of commissioning and usage. In this case, an average distance of 1000 km was considered.

A4 - Scenario Information	Description
Transport mode	Truck
Vehicle load capacity	7.5 – 16 metric ton, EURO6
Distance to the commissioning and usage site	1000 km
Amount registered (kg)	2.57 tkm

During the carpet installation of 1 m² of a finished ORIGIN carpet at A5 Module, 1/3 litre of adhesive is used per square metre, and an average of 5% is counted as waste generated during the installation process. All allocations made are the same for the different backing types and densities.

A5 - Scenario Information	Description
Adhesive	1/3 litre per m ²
Amount registered (kg)	3.80E-01
Consumptions during the installation	Manual instalation
Waste materials	5% carpet loss during installation
Waste treatment	100% Incineration

B · Use Stage (B1 – B7):

The Reference Service Life (RSL) for Colortec ORIGIN is one year. It should be noted, however, that the service life of a carpet may vary depending on the amount and nature of floor traffic and the type and frequency of maintenance.

Dansk Wilton have provided this service life based on their experience in carpet manufacturing and supply, and the average, realistic carpet lifespan is estimated to about 8-10 years.

Colortec ORIGIN does not contribute to this B1 stage because there is no input or output during the usage phase.

DW Colortec is a certified product and complies with the Indoor Air Comfort Gold specification and includes both inspection of factory production and VOC emissions testing according to EN 16516, at regular intervals.

The maintenance step at B2 Module, concerns cleaning the carpet for all densities and backings. Dansk Wilton has provided the maintenance routine for the product throughout the reference service life. Water, cleaning agents, and electricity consumption of the vacuuming are considered in the LCA study with a standard/normal traffic scenario, which means cleaning twice a year.

All ORIGIN qualities of carpet have the same maintenance.

B2 · Scenario Information	Description
Maintenance routine	Twice/year
Water (kg/m ²)	2.00E-1
Clean agents (kg/m ²)	1.00E-2
Electricity (kWh/m ²)	2.80E-2

Colortec carpets do not contribute to modules B3 to B7, as there is no allocation to the process during these phases.

C · End-of-Life Stage (C1 – C4):

At the end of the carpet's service life, no input or output is considered during the carpet removal process in this module C1 Deconstruction & Demolition.

The dismantling processes are carried out with hand tools, and there is no additional consumption at this stage. As a result, no allowance in the deconstruction phase is allocated.

Module C2 covers the construction waste transport after the deconstruction and demolition process. This is calculated as 50 km, based on estimated standard distances to waste treatment sites for all typologies of carpets analysed.

C2 · Scenario Information	Description
Transport mode	Truck
Vehicle load capacity	3.5 – 7.5 metric ton, EURO6
Distance to the commissioning and usage site	50 km
Amount registered (kg)	0.128 tkm

Module C3, Waste Processing, includes carpets sent to municipal waste incineration based on average incineration scenarios for European conditions. Municipal waste incineration exports electrical and thermal energy.

C2 & C3 - Scenario Information	Description
Recovery system specified by type	0% for Reuse 0% for Recycling 100% for Energy Recovery 0% for Landfill
Assumptions for scenario	Average distance to incineration: 50km Transport Lorry 3.5 -7.5 metric ton, EURO6 0.128 tkm

Module C4, Disposal, includes final disposal at the disposal site. According to the scenario modelled for analysis, all carpets at the end of their useful life will be sent for incineration.

D - Benefits and Loads beyond the System Boundaries:

Module D does not consider any contributions, as the scenario assumes that 100% will be sent for incineration. As a result, there are no benefits or burdens associated with this module that are being considered.

Results of the environmental performance indicators

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.

COLORTEC ORIGIN 500g, 1100g/m2.

Results per functional unit for Colortec ORIGIN 500g, 1100 g/m2

Mandatory impact category indicators according to EN 15804

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-fossil	kg CO ₂ eq.	1.49 E+01	4.85 E-01	1.39 E+00	0.00 E+00	4.50 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	5.53 E-02	1.70 E+00	0.00 E+00	0.00 E+00
GWP-biogenic	kg CO ₂ eq.	4.40 E+00	4.69 E-04	1.18 E-01	0.00 E+00	-7.38 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	5.98 E-05	1.97 E+00	0.00 E+00	0.00 E+00
GWP-luluc	kg CO ₂ eq.	9.55 E-01	2.30 E-04	1.10 E-03	0.00 E+00	2.38 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.30 E-05	7.14 E-05	0.00 E+00	0.00 E+00
GWP-total	kg CO ₂ eq.	2.02 E+01	4.86 E-01	1.51 E+00	0.00 E+00	4.00 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	5.54 E-02	3.66 E+00	0.00 E+00	0.00 E+00
ODP	kg CFC 11 eq.	5.00 E-06	1.10 E-07	1.84 E-07	0.00 E+00	5.17 E-09	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.21 E-08	3.16 E-08	0.00 E+00	0.00 E+00
AP	mol H ⁺ eq.	2.74 E-01	1.38 E-03	6.05 E-03	0.00 E+00	2.94 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.59 E-04	5.98 E-03	0.00 E+00	0.00 E+00
EP-freshwater	kg P eq.	4.89 E-03	3.66 E-05	3.65 E-04	0.00 E+00	2.23 E-05	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	5.14 E-06	3.40 E-05	0.00 E+00	0.00 E+00
EP-marine	kg N eq.	4.91 E-02	2.69 E-04	1.29 E-03	0.00 E+00	7.96 E-05	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.94 E-05	4.37 E-03	0.00 E+00	0.00 E+00
EP-terrestrial	mol N eq.	1.09 E+00	2.92 E-03	1.26 E-02	0.00 E+00	5.93 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.20 E-04	2.96 E-02	0.00 E+00	0.00 E+00
POCP	kg NMVOC eq.	5.63 E-02	1.12 E-03	4.79 E-03	0.00 E+00	1.53 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.24 E-04	7.05 E-03	0.00 E+00	0.00 E+00
ADP-minerals&metals*	kg Sb eq.	1.17 E-04	2.22 E-06	1.88 E-05	0.00 E+00	6.68 E-07	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.44 E-07	8.17 E-07	0.00 E+00	0.00 E+00
ADP-fossil*	MJ	1.93 E+02	7.27 E+00	2.40E+01	0.00 E+00	7.65 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	8.24 E-01	3.42 E+00	0.00 E+00	0.00 E+00
WDP*	m ³	7.78 E+00	2.42 E-02	6.19E-01	0.00 E+00	4.63 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.18 E-03	1.02 E-01	0.00 E+00	0.00 E+00

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

Additional mandatory and voluntary impact category indicators

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG	kg CO ₂ eq.	1.49 E+01	4.85 E-01	1.39 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	5.53 E-02	1.70 E+00	0.00 E+00	0.00 E+00
PM	Disease incidence	2.18 E-06	3.32 E-08	5.22 E-08	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.19 E-09	2.14 E-08	0.00 E+00	0.00 E+00
IRP	kBq U235 eq.	6.79 E-01	3.86 E-02	1.01 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	4.59 E-03	4.72 E-03	0.00 E+00	0.00 E+00
ETP-fw	CTUe	2.81 E+02	5.94 E+00	5.46E+01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	7.22 E-01	4.03E+00	0.00 E+00	0.00 E+00

HTP-c	CTUh	7.91 E-09	2.14 E-10	1.52 E-09	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.01 E-11	1.65 E-10	0.00 E+00	0.00 E+00
HTP-nc	CTUh	1.82 E-07	5.74E -09	1.96 E-08	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	6.85 E-10	2.76 E-09	0.00 E+00	0.00 E+00
SQP	dimensi onless	1.03 E+03	4.30 E+00	3.64 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	4.02 E-01	5.19 E-01	0.00 E+00	0.00 E+00

Resource use indicators

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	MJ	3.82 E+01	1.23 E-01	1.13 E+00	0.00 E+00	2.33 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.75 E-02	5.82 E-02	0.00 E+00	0.00 E+00
PERM	MJ	4.67 E+00	9.56 E-03	7.02 E-02	0.00 E+00	7.74 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.44 E-03	3.87 E-03	0.00 E+00	0.00 E+00
PERT	MJ	4.29 E+01	1.33 E-01	1.20 E+00	0.00 E+00	2.41 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.89 E-02	6.21 E-02	0.00 E+00	0.00 E+00
PENRE	MJ	2.00 E+02	7.27 E+00	2.40 E+01	0.00 E+00	7.69 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	8.24 E-01	3.42 E+00	0.00 E+00	0.00 E+00
PENRM	MJ	6.61 E+01	4.39 E-06	2.20 E-05	0.00 E+00	1.75 E-06	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	6.86 E-07	1.21 E-06	0.00 E+00	0.00 E+00
PENRT	MJ	2.66 E+02	7.27 E+00	2.40 E+01	0.00 E+00	7.69 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	8.24 E-01	3.42 E+00	0.00 E+00	0.00 E+00
SM	kg	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
RSF	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
NRSF	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
FW	m ³	3.35 E-01	1.45 E-03	9.03 E-03	0.00 E+00	6.48 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.70 E-04	1.53 E-03	0.00 E+00	0.00 E+00

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

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste disposed	kg	9.13 E-03	1.95 E-05	1.47 E-05	0.00 E+00	8.07 E-07	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.28 E-06	4.55 E-06	0.00 E+00	0.00 E+00
Non-hazardous waste disposed	kg	2.57 E+00	3.09 E-01	1.42 E-01	0.00 E+00	5.74 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.69 E-02	9.56 E-02	0.00 E+00	0.00 E+00
Radioactive waste disposed	kg	4.02 E-04	4.87 E-05	3.96 E-05	0.00 E+00	2.82 E-06	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	5.44 E-06	2.84 E-06	0.00 E+00	0.00 E+00

Output flow indicators

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	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Material for recycling	kg	1.27 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00E +00	0.00 E+00	0.00 E+00
Materials for energy recovery	kg	0.00 E+00	0.00 E+00	1.08 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.17 E+00	0.00 E+00	0.00 E+00
Exported energy, electricity	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Exported thermal energy	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00

COLORTEC ORIGIN 500g, 1300g/m2

Results per functional unit for Colortec ORIGIN 500g, 1300 g/m2

Mandatory impact category indicators according to EN 15804

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-fossil	kg CO ₂ eq.	1.64 E+01	5.30 E-01	1.39 E+00	0.00 E+00	4.50 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	6.04 E-02	1.85 E+00	0.00 E+00	0.00 E+00
GWP-biogenic	kg CO ₂ eq.	5.20 E+00	5.12 E-04	1.18 E-01	0.00 E+00	-7.38 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	6.53 E-05	2.15 E+00	0.00 E+00	0.00 E+00
GWP-luluc	kg CO ₂ eq.	1.13 E+00	2.51 E-04	1.10 E-03	0.00 E+00	2.38 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.61 E-05	7.80 E-05	0.00 E+00	0.00 E+00
GWP-total	kg CO ₂ eq.	2.27 E+01	5.31 E-01	1.51 E+00	0.00 E+00	4.00 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	6.05 E-02	4.00 E+00	0.00 E+00	0.00 E+00
ODP	kg CFC 11 eq.	5.10 E-06	1.20 E-07	1.84 E-07	0.00 E+00	5.17 E-09	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.32 E-08	3.46 E-08	0.00 E+00	0.00 E+00
AP	mol H ⁺ eq.	3.18 E-01	1.50 E-03	6.05 E-03	0.00 E+00	2.94 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.74 E-04	6.53 E-03	0.00 E+00	0.00 E+00
EP-freshwater	kg P eq.	5.51 E-03	4.00 E-05	3.65 E-04	0.00 E+00	2.23 E-05	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	5.61 E-06	3.71 E-05	0.00 E+00	0.00 E+00
EP-marine	kg N eq.	5.69 E-02	2.93 E-04	1.29 E-03	0.00 E+00	7.96 E-05	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.21 E-05	4.78 E-03	0.00 E+00	0.00 E+00
EP-terrestrial	mol N eq.	1.27 E+00	3.19 E-03	1.26 E-02	0.00 E+00	5.93 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.49 E-04	3.23 E-02	0.00 E+00	0.00 E+00
POCP	kg NMVOC eq.	6.22 E-02	1.23 E-03	4.79 E-03	0.00 E+00	1.53 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.35 E-04	7.70 E-03	0.00 E+00	0.00 E+00
ADP-minerals&metals*	kg Sb eq.	1.28 E-04	2.43 E-06	1.88 E-05	0.00 E+00	6.68 E-07	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.75 E-07	8.92 E-07	0.00 E+00	0.00 E+00
ADP-fossil*	MJ	2.08 E+02	7.94 E+00	2.40 E+01	0.00 E+00	7.65 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	9.00 E-01	3.73 E+00	0.00 E+00	0.00 E+00
WDP*	m ³	8.46 E+00	2.64 E-02	6.19 E-01	0.00 E+00	4.63 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.47 E-03	1.12 E-01	0.00 E+00	0.00 E+00

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

Additional mandatory and voluntary impact category indicators

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG	kg CO ₂ eq.	2.52 E-06	3.62 E-08	5.22 E-08	0.00 E+00	2.65 E-09	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.48 E-09	2.33 E-08	0.00 E+00	0.00 E+00
PM	Disease incidence	7.57 E-01	4.22 E-02	1.01 E-01	0.00 E+00	8.74 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	5.01 E-03	5.15 E-03	0.00 E+00	0.00 E+00
IRP	kBq U235 eq.	3.20 E+02	6.49 E+00	5.46 E+01	0.00 E+00	1.48 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	7.88 E-01	4.40 E+00	0.00 E+00	0.00 E+00
ETP-fw	CTUe	8.83 E-09	2.34 E-10	1.52 E-09	0.00 E+00	3.73 E-11	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.28 E-11	1.80 E-10	0.00 E+00	0.00 E+00
HTP-c	CTUh	2.04 E-07	6.27 E-09	1.96 E-08	0.00 E+00	1.05 E-09	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	7.48 E-10	3.01 E-09	0.00 E+00	0.00 E+00
HTP-nc	CTUh	1.21 E+03	4.70 E+00	3.64 E+00	0.00 E+00	4.96 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	4.39 E-01	5.67 E-01	0.00 E+00	0.00 E+00
SQP	dimensionless	2.52 E-06	3.62 E-08	5.22 E-08	0.00 E+00	2.65 E-09	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.48 E-09	2.33 E-08	0.00 E+00	0.00 E+00

Resource use indicators

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	MJ	4.41 E+01	1.34 E-01	1.13 E+00	0.00 E+00	2.33 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.91 E-02	6.36 E-02	0.00 E+00	0.00 E+00
PERM	MJ	5.67 E+00	1.27 E-02	7.83 E-02	0.00 E+00	8.78 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.92 E-03	4.47 E-03	0.00 E+00	0.00 E+00
PERT	MJ	4.98 E+01	1.47 E-01	1.21 E+00	0.00 E+00	2.42 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.10 E-02	6.80 E-02	0.00 E+00	0.00 E+00
PENRE	MJ	2.16 E+02	7.94 E+00	2.40 E+01	0.00 E+00	7.69 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	9.00 E-01	3.73 E+00	0.00 E+00	0.00 E+00
PENRM	MJ	7.09 E+01	4.79 E-06	2.20 E-05	0.00 E+00	1.75 E-06	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	7.50 E-07	1.32 E-06	0.00 E+00	0.00 E+00
PENRT	MJ	2.87 E+02	7.94 E+00	2.40 E+01	0.00 E+00	7.69 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	9.00 E-01	3.73 E+00	0.00 E+00	0.00 E+00
SM	kg	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
RSF	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
NRSF	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
FW	m ³	3.51 E-01	1.58 E-03	9.03 E-03	0.00 E+00	6.48 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.85 E-04	1.67 E-03	0.00 E+00	0.00 E+00

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

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste disposed	kg	1.02 E-02	2.13 E-05	1.47 E-05	0.00 E+00	8.07 E-07	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.49 E-06	4.97 E-06	0.00 E+00	0.00 E+00
Non-hazardous waste disposed	kg	2.84 E+00	3.37 E-01	1.42 E-01	0.00 E+00	5.74 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.94 E-02	1.04 E-01	0.00 E+00	0.00 E+00
Radioactive waste disposed	kg	4.50 E-04	5.32 E-05	3.96 E-05	0.00 E+00	2.82 E-06	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	5.94E-06	3.10 E-06	0.00 E+00	0.00 E+00

Output flow indicators

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	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Material for recycling	kg	1.27 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00E+00	0.00 E+00	0.00 E+00
Materials for energy recovery	kg	0.00 E+00	0.00 E+00	1.18 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.37 E+00	0.00 E+00	0.00 E+00
Exported energy, electricity	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Exported thermal energy	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00

COLORTEC ORIGIN 500g, 1500g/m2

Results per functional unit for Colortec ORIGIN 500g, 1500 g/m2

Mandatory impact category indicators according to EN 15804

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-fossil	kg CO ₂ eq.	1.79 E+01	5.75 E-01	1.39 E+00	0.00 E+00	4.50 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	6.55 E-02	2.01 E+00	0.00 E+00	0.00 E+00
GWP-biogenic	kg CO ₂ eq.	5.99 E+00	5.55 E-04	1.18 E-01	0.00 E+00	-7.38 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	7.09 E-05	2.33 E+00	0.00 E+00	0.00 E+00
GWP-luluc	kg CO ₂ eq.	1.30 E+00	2.72 E-04	1.10 E-03	0.00 E+00	2.38 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.91 E-05	8.46 E-05	0.00 E+00	0.00 E+00
GWP-total	kg CO ₂ eq.	2.51 E+01	5.76 E-01	1.51 E+00	0.00 E+00	4.00 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	6.56 E-02	4.34 E+00	0.00 E+00	0.00 E+00
ODP	kg CFC 11 eq.	5.18 E-06	1.30 E-07	1.84 E-07	0.00 E+00	5.17 E-09	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.43 E-08	3.75 E-08	0.00 E+00	0.00 E+00
AP	mol H ⁺ eq.	3.62 E-01	1.63 E-03	6.05 E-03	0.00 E+00	2.94 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.89 E-04	7.08 E-03	0.00 E+00	0.00 E+00
EP-freshwater	kg P eq.	6.12 E-03	4.34 E-05	3.65 E-04	0.00 E+00	2.23 E-05	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	6.09 E-06	4.02 E-05	0.00 E+00	0.00 E+00
EP-marine	kg N eq.	6.46 E-02	3.18 E-04	1.29 E-03	0.00 E+00	7.96 E-05	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.49 E-05	5.18 E-03	0.00 E+00	0.00 E+00
EP-terrestrial	mol N eq.	1.46 E+00	3.46 E-03	1.26 E-02	0.00 E+00	5.93 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.79 E-04	3.50 E-02	0.00 E+00	0.00 E+00
POCP	kg NMVOC eq.	6.80 E-02	1.33 E-03	4.79 E-03	0.00 E+00	1.53 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.47 E-04	8.35 E-03	0.00 E+00	0.00 E+00
ADP-minerals&metals*	kg Sb eq.	1.39 E-04	2.63 E-06	1.88 E-05	0.00 E+00	6.68 E-07	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	4.07 E-07	9.68 E-07	0.00 E+00	0.00 E+00
ADP-fossil*	MJ	2.23 E+02	8.61 E+00	2.40 E+01	0.00 E+00	7.65 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	9.76 E-01	4.04 E+00	0.00 E+00	0.00 E+00
WDP*	m ³	9.14 E+00	2.86 E-02	6.19 E-01	0.00 E+00	4.63 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.77 E-03	1.21 E-01	0.00 E+00	0.00 E+00

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

Additional mandatory and voluntary impact category indicators

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG	kg CO ₂ eq.	1.79 E+01	5.75 E-01	1.39 E+00	0.00 E+00	4.50 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	6.55 E-02	2.01 E+00	0.00 E+00	0.00 E+00
PM	Disease incidence	2.85 E-06	3.93 E-08	5.22 E-08	0.00 E+00	2.65 E-09	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.78 E-09	2.53 E-08	0.00 E+00	0.00 E+00
IRP	kBq U235 eq.	8.30 E-01	4.58 E-02	1.01 E-01	0.00 E+00	8.74 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	5.44 E-03	5.59 E-03	0.00 E+00	0.00 E+00
ETP-fw	CTUe	3.59 E+02	7.03 E+00	5.46 E+01	0.00 E+00	1.48 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	8.55 E-01	4.77 E+00	0.00 E+00	0.00 E+00
HTP-c	CTUh	9.72 E-09	2.54 E-10	1.52 E-09	0.00 E+00	3.73 E-11	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.56 E-11	1.95 E-10	0.00 E+00	0.00 E+00
HTP-nc	CTUh	2.26 E-07	6.80 E-09	1.96 E-08	0.00 E+00	1.05 E-09	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	8.12 E-10	3.27 E-09	0.00 E+00	0.00 E+00
SQP	dimensionless	1.40 E+03	5.09 E+00	3.64 E+00	0.00 E+00	4.96 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	4.76 E-01	6.15 E-01	0.00 E+00	0.00 E+00

Resource use indicators

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	MJ	5.00 E+01	1.46 E-01	1.13 E+00	0.00 E+00	2.33 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.07 E-02	6.89 E-02	0.00 E+00	0.00 E+00
PERM	MJ	6.72 E+00	1.60 E-02	8.59 E-02	0.00 E+00	9.74 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.43 E-03	5.09 E-03	0.00 E+00	0.00 E+00
PERT	MJ	5.67 E+01	1.62 E-01	1.22 E+00	0.00 E+00	2.43 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.31 E-02	7.40 E-02	0.00 E+00	0.00 E+00
PENRE	MJ	2.32 E+02	8.61 E+00	2.40 E+01	0.00 E+00	7.69 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	9.76 E-01	4.05 E+00	0.00 E+00	0.00 E+00
PENRM	MJ	7.56 E+01	5.20 E-06	2.20 E-05	0.00 E+00	1.75 E-06	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	8.13 E-07	1.43 E-06	0.00 E+00	0.00 E+00
PENRT	MJ	3.07 E+02	8.61 E+00	2.40 E+01	0.00 E+00	7.69 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	9.76 E-01	4.05 E+00	0.00 E+00	0.00 E+00
SM	kg	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
RSF	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
NRSF	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
FW	m ³	3.67 E-01	1.71 E-03	9.03E -03	0.00 E+00	6.48 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.01 E-04	1.81 E-03	0.00 E+00	0.00 E+00

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

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste disposed	kg	1.14 E-02	2.31 E-05	1.47 E-05	0.00 E+00	8.07 E-07	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.70 E-06	5.39 E-06	0.00 E+00	0.00 E+00
Non-hazardous waste disposed	kg	3.08 E+00	3.66 E-01	1.42 E-01	0.00 E+00	5.74 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.19 E-02	1.13 E-01	0.00 E+00	0.00 E+00
Radioactive waste disposed	kg	4.93 E-04	5.77 E-05	3.96 E-05	0.00 E+00	2.82 E-06	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	6.44 E-06	3.36 E-06	0.00 E+00	0.00 E+00

Output flow indicators

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	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Material for recycling	kg	1.27 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00E +00	0.00 E+00	0.00 E+00
Materials for energy recovery	kg	0.00 E+00	0.00 E+00	1.28 E-01	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.57 E+00	0.00 E+00	0.00 E+00
Exported energy, electricity	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Exported thermal energy	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00

Disclaimer 1. For Potential Human exposure efficiency relative to U235 indicator, 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.

Disclaimer 2. For Abiotic depletion potential for non-fossil resources (ADP - minerals & metals), Abiotic depletion potential for fossil resources (ADP - fossil), Water (user) deprivation potential, deprivation-weighted water consumption (WDP), Potential Comparative Toxic Unit for ecosystems (ETP-fw), Potential Comparative Toxic Unit for humans (HTP-c), Potential Comparative Toxic Unit for humans (HTP-nc) and Potential Soil quality index (SQP) indicators, the results of this 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.

Additional social and economic information

Dansk Wilton's social responsibility is conducted and assessed within the framework of the cradle-to-cradle certification.

The current financial conditions can be found in our annual report on our website, via this link <https://danskwilton.com/downloads/>

References

- General Programme Instructions of the International EPD[®] System. Version 3.01.
- Product Category Rules for Construction Products . PCR 2019:14 version 1.11.
- c-PCR-004 Resilient, textile and laminate floor coverings
- ISO 14040:2006 Environmental management - Life cycle assessment - Principles and framework
- ISO 14044:2006 Environmental management - Life cycle assessment - Requirements and guidelines
- EN 15804:2012+A2:2019/AC:2021 (Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products)
- Colortec ORIGIN Life Cycle Assessment Report. July 2023. Version 2. ID: 370922062022-2
- Cradle to Cradle Certified[®] Assessment Summary Form. Colortec ORIGIN. Submission Date: 16 July 2022 with certification numbers 5684 and 5685.

ENVIRONMENTAL PRODUCT DECLARATIONS PROGRAMME

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Annex: Additional ORIGIN carpets

COLORTEC ORIGIN 300g, 1100g/m2.

Results per functional unit for Colortec ORIGIN 300g, 1100 g/m2 according to EN 15804

Core environmental impact indicators (MANDATORY)																
Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-fossil	kg CO2 eq.	1.29E+01	4.41E-01	1.38E+00	0E+00	4.50E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.02E-02	1.54E+00	0E+00	0E+00
GWP-biogenic	kg CO2 eq.	4.40E+00	4.26E-04	1.09E-01	0E+00	-7.38E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.43E-05	1.78E+00	0E+00	0E+00
GWP-luluc	kg CO2 eq.	9.53E-01	2.08E-04	1.10E-03	0E+00	2.38E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.00E-05	6.48E-05	0E+00	0E+00
GWP-total	kg CO2 eq.	1.83E+01	4.41E-01	1.49E+00	0E+00	4.00E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.03E-02	3.33E+00	0E+00	0E+00
ODP	kg CFC 11 eq.	3.28E-06	9.94E-08	1.84E-07	0E+00	5.17E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.10E-08	2.87E-08	0E+00	0E+00
AP	mol H+ eq.	2.65E-01	1.25E-03	6.03E-03	0E+00	2.94E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.45E-04	5.43E-03	0E+00	0E+00
EP-freshwater	kg P eq.	4.62E-03	3.33E-05	3.65E-04	0E+00	2.23E-05	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.66E-06	3.08E-05	0E+00	0E+00
EP-marine	kg N eq.	4.72E-02	2.44E-04	1.27E-03	0E+00	7.96E-05	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.67E-05	3.97E-03	0E+00	0E+00
EP-terrestrial	mol N eq.	1.06E+00	2.65E-03	1.24E-02	0E+00	5.93E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.90E-04	2.68E-02	0E+00	0E+00
POCP	kg NMVOC eq.	4.90E-02	1.02E-03	4.75E-03	0E+00	1.53E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.12E-04	6.40E-03	0E+00	0E+00
ADP-minerals&metals*	kg Sb eq.	1.01E-04	2.02E-06	1.88E-05	0E+00	6.68E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.12E-07	7.42E-07	0E+00	0E+00
ADP-fossil*	MJ	1.66E+02	6.60E+00	2.40E+01	0E+00	7.65E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	7.48E-01	3.10E+00	0E+00	0E+00
WDP*	m³	7.08E+00	2.19E-02	6.19E-01	0E+00	4.63E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.89E-03	9.27E-02	0E+00	0E+00
Additional mandatory environmental impact indicators (MANDATORY)																
GWP-GHG	kg CO2 eq.	1.29E+01	4.41E-01	1.38E+00	0E+00	4.50E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.02E-02	1.54E+00	0E+00	0E+00
PM	Disease incidence	2.08E-06	3.01E-08	5.21E-08	0E+00	2.65E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.89E-09	1.94E-08	0E+00	0E+00
IRP	kBq U235 eq.	6.04E-01	3.51E-02	1.01E-01	0E+00	8.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.17E-03	4.28E-03	0E+00	0E+00
ETP-fw	CTUe	2.63E+02	5.39E+00	5.46E+01	0E+00	1.48E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.55E-01	3.66E+00	0E+00	0E+00

HTP-c	CTUh	7.10E-09	1.95E-10	1.52E-09	0E+00	3.73E-11	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.73E-11	1.50E-10	0E+00	0E+00
HTP-nc	CTUh	1.68E-07	5.21E-09	1.96E-08	0E+00	1.05E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.22E-10	2.51E-09	0E+00	0E+00
SQP	dimensionless	1.03E+03	3.90E+00	3.64E+00	0E+00	4.96E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.65E-01	4.71E-01	0E+00	0E+00
Indicators describing resource use (MANDATORY)																
PERE	MJ	3.70E+01	1.12E-01	1.13E+00	0E+00	2.33E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.58E-02	5.28E-02	0E+00	0E+00
PERM	MJ	4.60E+00	1.05E-02	7.83E-02	0E+00	8.78E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.59E-03	3.71E-03	0E+00	0E+00
PERT	MJ	4.16E+01	1.22E-01	1.21E+00	0E+00	2.42E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.74E-02	5.65E-02	0E+00	0E+00
PENRE	MJ	1.73E+02	6.60E+00	2.40E+01	0E+00	7.69E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	7.48E-01	3.10E+00	0E+00	0E+00
PENRM	MJ	5.37E+01	3.98E-06	2.20E-05	0E+00	1.75E-06	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.23E-07	1.10E-06	0E+00	0E+00
PENRT	MJ	2.26E+02	6.60E+00	2.40E+01	0E+00	7.69E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	7.48E-01	3.10E+00	0E+00	0E+00
SM	kg	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
RSF	MJ	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
NRSF	MJ	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
FW	m³	3.21E-01	1.31E-03	9.02E-03	0E+00	6.48E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.54E-04	1.39E-03	0E+00	0E+00
Environmental information describing waste categories (MANDATORY)																
Hazardous waste disposed	kg	8.00E-03	1.77E-05	1.47E-05	0E+00	8.07E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.07E-06	4.13E-06	0E+00	0E+00
Non-hazardous waste disposed	kg	2.25E+00	2.80E-01	1.42E-01	0E+00	5.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.44E-02	8.68E-02	0E+00	0E+00
Radioactive waste disposed	kg	3.66E-04	4.42E-05	3.96E-05	0E+00	2.82E-06	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.93E-06	2.58E-06	0E+00	0E+00
Environmental information describing output flows (MANDATORY)																
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Material for recycling	kg	1.27E-02	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	9.84E-02	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	1.97E+00	0E+00	0E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Exported thermal energy	MJ	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00

COLORTEC ORIGIN 300g, 1300g/m2.

Results per functional unit for Colortec ORIGIN 300g, 1300 g/m2 according to EN 15804

Core environmental impact indicators (MANDATORY)

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-fossil	kg CO ₂ eq.	1.44E+01	4.85E-01	1.38E+00	0E+00	4.50E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.53E-02	1.70E+00	0E+00	0E+00
GWP-biogenic	kg CO ₂ eq.	5.20E+00	4.69E-04	1.09E-01	0E+00	-7.38E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.98E-05	1.97E+00	0E+00	0E+00
GWP-luluc	kg CO ₂ eq.	1.13E+00	2.30E-04	1.10E-03	0E+00	2.38E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.30E-05	7.14E-05	0E+00	0E+00
GWP-total	kg CO ₂ eq.	2.08E+01	4.86E-01	1.49E+00	0E+00	4.00E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.54E-02	3.66E+00	0E+00	0E+00
ODP	kg CFC 11 eq.	3.38E-06	1.10E-07	1.84E-07	0E+00	5.17E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.21E-08	3.16E-08	0E+00	0E+00
AP	mol H ⁺ eq.	3.09E-01	1.38E-03	6.03E-03	0E+00	2.94E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.59E-04	5.98E-03	0E+00	0E+00
EP-freshwater	kg P eq.	5.23E-03	3.66E-05	3.65E-04	0E+00	2.23E-05	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.14E-06	3.40E-05	0E+00	0E+00
EP-marine	kg N eq.	5.50E-02	2.69E-04	1.27E-03	0E+00	7.96E-05	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.94E-05	4.37E-03	0E+00	0E+00
EP-terrestrial	mol N eq.	1.25E+00	2.92E-03	1.24E-02	0E+00	5.93E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.20E-04	2.96E-02	0E+00	0E+00
POCP	kg NMVOC eq.	5.49E-02	1.12E-03	4.75E-03	0E+00	1.53E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.24E-04	7.05E-03	0E+00	0E+00
ADP-minerals&metals*	kg Sb eq.	1.12E-04	2.22E-06	1.88E-05	0E+00	6.68E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.44E-07	8.17E-07	0E+00	0E+00
ADP-fossil*	MJ	1.81E+02	7.27E+00	2.40E+01	0E+00	7.65E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	8.24E-01	3.42E+00	0E+00	0E+00
WDP*	m ³	7.77E+00	2.42E-02	6.19E-01	0E+00	4.63E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.18E-03	1.02E-01	0E+00	0E+00

Additional mandatory environmental impact indicators (MANDATORY)

GWP-GHG	kg CO ₂ eq.	1.44E+01	4.85E-01	1.38E+00	0E+00	4.50E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.53E-02	1.70E+00	0E+00	0E+00
PM	Disease incidence	2.41E-06	3.32E-08	5.21E-08	0E+00	2.65E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.19E-09	2.14E-08	0E+00	0E+00
IRP	kBq U235 eq.	6.82E-01	3.86E-02	1.01E-01	0E+00	8.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.59E-03	4.72E-03	0E+00	0E+00
ETP-fw	CTUe	3.03E+02	5.94E+00	5.46E+01	0E+00	1.48E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	7.22E-01	4.03E+00	0E+00	0E+00
HTP-c	CTUh	8.02E-09	2.14E-10	1.52E-09	0E+00	3.73E-11	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.01E-11	1.65E-10	0E+00	0E+00
HTP-nc	CTUh	1.91E-07	5.74E-09	1.96E-08	0E+00	1.05E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.85E-10	2.76E-09	0E+00	0E+00
SQP	dimensionless	1.21E+03	4.30E+00	3.64E+00	0E+00	4.96E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.02E-01	5.19E-01	0E+00	0E+00

Indicators describing resource use (MANDATORY)																		
PERE	MJ	4.29E+01	1.23E-01	1.13E+00	0E+00	2.33E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.75E-02	5.82E-02	0E+00	0E+00
PERM	MJ	5.62E+00	1.35E-02	8.59E-02	0E+00	9.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.05E-03	4.30E-03	0E+00	0E+00
PERT	MJ	4.85E+01	1.37E-01	1.22E+00	0E+00	2.43E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.95E-02	6.25E-02	0E+00	0E+00
PENRE	MJ	1.89E+02	7.27E+00	2.40E+01	0E+00	7.69E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	8.24E-01	3.42E+00	0E+00	0E+00
PENRM	MJ	5.84E+01	4.39E-06	2.20E-05	0E+00	1.75E-06	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.86E-07	1.21E-06	0E+00	0E+00
PENRT	MJ	2.47E+02	7.27E+00	2.40E+01	0E+00	7.69E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	8.24E-01	3.42E+00	0E+00	0E+00
SM	kg	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
RSF	MJ	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
NRSF	MJ	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
FW	m³	3.37E-01	1.45E-03	9.02E-03	0E+00	6.48E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.70E-04	1.53E-03	0E+00	0E+00
Environmental information describing waste categories (MANDATORY)																		
Hazardous waste disposed	kg	9.12E-03	1.95E-05	1.47E-05	0E+00	8.07E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.28E-06	4.55E-06	0E+00	0E+00
Non-hazardous waste disposed	kg	2.53E+00	3.09E-01	1.42E-01	0E+00	5.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.69E-02	9.56E-02	0E+00	0E+00
Radioactive waste disposed	kg	4.15E-04	4.87E-05	3.96E-05	0E+00	2.82E-06	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.44E-06	2.84E-06	0E+00	0E+00
Environmental information describing output flows (MANDATORY)																		
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Material for recycling	kg	1.27E-02	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	1.08E-01	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	2.17E+00	0E+00	0E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Exported thermal energy	MJ	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00

COLORTEC ORIGIN 300g, 1500g/m2.

Results per functional unit for Colortec ORIGIN 300g, 1500 g/m2 according to EN 15804

Core environmental impact indicators (MANDATORY)

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-fossil	kg CO ₂ eq.	1.59E+01	5.30E-01	1.38E+00	0E+00	4.50E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.04E-02	1.85E+00	0E+00	0E+00
GWP-biogenic	kg CO ₂ eq.	5.99E+00	5.12E-04	1.09E-01	0E+00	-7.38E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.53E-05	2.15E+00	0E+00	0E+00
GWP-luluc	kg CO ₂ eq.	1.30E+00	2.51E-04	1.10E-03	0E+00	2.38E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.61E-05	7.80E-05	0E+00	0E+00
GWP-total	kg CO ₂ eq.	2.32E+01	5.31E-01	1.49E+00	0E+00	4.00E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.05E-02	4.00E+00	0E+00	0E+00
ODP	kg CFC 11 eq.	3.46E-06	1.20E-07	1.84E-07	0E+00	5.17E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.32E-08	3.46E-08	0E+00	0E+00
AP	mol H ⁺ eq.	3.54E-01	1.50E-03	6.03E-03	0E+00	2.94E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.74E-04	6.53E-03	0E+00	0E+00
EP-freshwater	kg P eq.	5.85E-03	4.00E-05	3.65E-04	0E+00	2.23E-05	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.61E-06	3.71E-05	0E+00	0E+00
EP-marine	kg N eq.	6.27E-02	2.93E-04	1.27E-03	0E+00	7.96E-05	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.21E-05	4.78E-03	0E+00	0E+00
EP-terrestrial	mol N eq.	1.43E+00	3.19E-03	1.24E-02	0E+00	5.93E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.49E-04	3.23E-02	0E+00	0E+00
POCP	kg NMVOC eq.	6.07E-02	1.23E-03	4.75E-03	0E+00	1.53E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.35E-04	7.70E-03	0E+00	0E+00
ADP-minerals&metals*	kg Sb eq.	1.23E-04	2.43E-06	1.88E-05	0E+00	6.68E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.75E-07	8.92E-07	0E+00	0E+00
ADP-fossil*	MJ	1.96E+02	7.94E+00	2.40E+01	0E+00	7.65E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	9.00E-01	3.73E+00	0E+00	0E+00
WDP*	m ³	8.44E+00	2.64E-02	6.19E-01	0E+00	4.63E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.47E-03	1.12E-01	0E+00	0E+00

Additional mandatory environmental impact indicators (MANDATORY)

GWP-GHG	kg CO ₂ eq.	1.59E+01	5.30E-01	1.38E+00	0E+00	4.50E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.04E-02	1.85E+00	0E+00	0E+00
PM	Disease incidence	2.74E-06	3.62E-08	5.21E-08	0E+00	2.65E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.48E-09	2.33E-08	0E+00	0E+00
IRP	kBq U235 eq.	7.56E-01	4.22E-02	1.01E-01	0E+00	8.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.01E-03	5.15E-03	0E+00	0E+00
ETP-fw	CTUe	3.42E+02	6.49E+00	5.46E+01	0E+00	1.48E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	7.88E-01	4.40E+00	0E+00	0E+00
HTP-c	CTUh	8.91E-09	2.34E-10	1.52E-09	0E+00	3.73E-11	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.28E-11	1.80E-10	0E+00	0E+00
HTP-nc	CTUh	2.13E-07	6.27E-09	1.96E-08	0E+00	1.05E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	7.48E-10	3.01E-09	0E+00	0E+00
SQP	dimensionless	1.39E+03	4.70E+00	3.64E+00	0E+00	4.96E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.39E-01	5.67E-01	0E+00	0E+00

Indicators describing resource use (MANDATORY)																		
PERE	MJ	4.88E+01	1.34E-01	1.13E+00	0E+00	2.33E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.91E-02	6.36E-02	0E+00	0E+00
PERM	MJ	6.39E+00	1.48E-02	8.59E-02	0E+00	9.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.24E-03	4.70E-03	0E+00	0E+00
PERT	MJ	5.52E+01	1.49E-01	1.22E+00	0E+00	2.43E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.13E-02	6.83E-02	0E+00	0E+00
PENRE	MJ	2.05E+02	7.94E+00	2.40E+01	0E+00	7.69E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	9.00E-01	3.73E+00	0E+00	0E+00
PENRM	MJ	6.32E+01	4.79E-06	2.20E-05	0E+00	1.75E-06	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	7.50E-07	1.32E-06	0E+00	0E+00
PENRT	MJ	2.68E+02	7.94E+00	2.40E+01	0E+00	7.69E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	9.00E-01	3.73E+00	0E+00	0E+00
SM	kg	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
RSF	MJ	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
NRSF	MJ	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
FW	m³	3.53E-01	1.58E-03	9.02E-03	0E+00	6.48E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.85E-04	1.67E-03	0E+00	0E+00
Environmental information describing waste categories (MANDATORY)																		
Hazardous waste disposed	kg	1.02E-02	2.13E-05	1.47E-05	0E+00	8.07E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.49E-06	4.97E-06	0E+00	0E+00
Non-hazardous waste disposed	kg	2.77E+00	3.37E-01	1.42E-01	0E+00	5.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.94E-02	1.04E-01	0E+00	0E+00
Radioactive waste disposed	kg	4.58E-04	5.32E-05	3.96E-05	0E+00	2.82E-06	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.94E-06	3.10E-06	0E+00	0E+00
Environmental information describing output flows (MANDATORY)																		
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Material for recycling	kg	1.27E-02	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	1.18E-01	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	2.37E+00	0E+00	0E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Exported thermal energy	MJ	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00

COLORTEC ORIGIN Textile, 1100g/m2.

Results per functional unit for Colortec ORIGIN Textile, 1100 g/m2 according to EN 15804

Core environmental impact indicators (MANDATORY)

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-fossil	kg CO ₂ eq.	1.03E+01	3.93E-01	1.37E+00	0E+00	4.50E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.47E-02	1.37E+00	0E+00	0E+00
GWP-biogenic	kg CO ₂ eq.	4.40E+00	3.79E-04	9.88E-02	0E+00	-7.38E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.84E-05	1.59E+00	0E+00	0E+00
GWP-luluc	kg CO ₂ eq.	9.52E-01	1.86E-04	1.10E-03	0E+00	2.38E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.67E-05	5.77E-05	0E+00	0E+00
GWP-total	kg CO ₂ eq.	1.57E+01	3.93E-01	1.47E+00	0E+00	4.00E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.48E-02	2.96E+00	0E+00	0E+00
ODP	kg CFC 11 eq.	7.16E-07	8.86E-08	1.84E-07	0E+00	5.17E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	9.77E-09	2.56E-08	0E+00	0E+00
AP	mol H ⁺ eq.	2.53E-01	1.11E-03	6.00E-03	0E+00	2.94E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.29E-04	4.83E-03	0E+00	0E+00
EP-freshwater	kg P eq.	4.28E-03	2.96E-05	3.65E-04	0E+00	2.23E-05	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.15E-06	2.75E-05	0E+00	0E+00
EP-marine	kg N eq.	4.46E-02	2.17E-04	1.25E-03	0E+00	7.96E-05	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.38E-05	3.54E-03	0E+00	0E+00
EP-terrestrial	mol N eq.	1.03E+00	2.36E-03	1.23E-02	0E+00	5.93E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.59E-04	2.39E-02	0E+00	0E+00
POCP	kg NMVOC eq.	3.89E-02	9.07E-04	4.72E-03	0E+00	1.53E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.00E-04	5.70E-03	0E+00	0E+00
ADP-minerals&metals*	kg Sb eq.	7.91E-05	1.80E-06	1.88E-05	0E+00	6.68E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.78E-07	6.61E-07	0E+00	0E+00
ADP-fossil*	MJ	1.34E+02	5.88E+00	2.40E+01	0E+00	7.65E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.66E-01	2.76E+00	0E+00	0E+00
WDP*	m ³	6.14E+00	1.95E-02	6.18E-01	0E+00	4.63E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.57E-03	8.26E-02	0E+00	0E+00

Additional mandatory environmental impact indicators (MANDATORY)

GWP-GHG	kg CO ₂ eq.	1.03E+01	3.93E-01	1.37E+00	0E+00	4.50E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.47E-02	1.37E+00	0E+00	0E+00
PM	Disease incidence	1.93E-06	2.68E-08	5.20E-08	0E+00	2.65E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.58E-09	1.73E-08	0E+00	0E+00
IRP	kBq U235 eq.	5.16E-01	3.12E-02	1.01E-01	0E+00	8.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.71E-03	3.81E-03	0E+00	0E+00
ETP-fw	CTUe	2.41E+02	4.80E+00	5.45E+01	0E+00	1.48E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.83E-01	3.26E+00	0E+00	0E+00
HTP-c	CTUh	5.99E-09	1.73E-10	1.52E-09	0E+00	3.73E-11	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.43E-11	1.33E-10	0E+00	0E+00
HTP-nc	CTUh	1.52E-07	4.64E-09	1.96E-08	0E+00	1.05E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.54E-10	2.23E-09	0E+00	0E+00
SQP	dimensionless	1.02E+03	3.48E+00	3.64E+00	0E+00	4.96E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.25E-01	4.20E-01	0E+00	0E+00

Indicators describing resource use (MANDATORY)																		
PERE	MJ	3.54E+01	9.95E-02	1.13E+00	0E+00	2.33E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.41E-02	4.71E-02	0E+00	0E+00
PERM	MJ	3.79E+00	7.18E-03	6.74E-02	0E+00	7.40E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.08E-03	3.07E-03	0E+00	0E+00
PERT	MJ	3.92E+01	1.07E-01	1.20E+00	0E+00	2.41E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.52E-02	5.01E-02	0E+00	0E+00
PENRE	MJ	1.40E+02	5.88E+00	2.40E+01	0E+00	7.69E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.66E-01	2.76E+00	0E+00	0E+00
PENRM	MJ	3.50E+01	3.55E-06	2.20E-05	0E+00	1.75E-06	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.55E-07	9.79E-07	0E+00	0E+00
PENRT	MJ	1.75E+02	5.88E+00	2.40E+01	0E+00	7.69E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.66E-01	2.76E+00	0E+00	0E+00
SM	kg	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
RSF	MJ	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
NRSF	MJ	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
FW	m³	3.02E-01	1.17E-03	9.01E-03	0E+00	6.48E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.37E-04	1.24E-03	0E+00	0E+00
Environmental information describing waste categories (MANDATORY)																		
Hazardous waste disposed	kg	6.31E-03	1.58E-05	1.46E-05	0E+00	8.07E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.84E-06	3.68E-06	0E+00	0E+00
Non-hazardous waste disposed	kg	1.84E+00	2.50E-01	1.41E-01	0E+00	5.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.18E-02	7.73E-02	0E+00	0E+00
Radioactive waste disposed	kg	3.25E-04	3.94E-05	3.96E-05	0E+00	2.82E-06	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.40E-06	2.30E-06	0E+00	0E+00
Environmental information describing output flows (MANDATORY)																		
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Material for recycling	kg	1.27E-02	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	8.77E-02	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	1.75E+00	0E+00	0E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Exported thermal energy	MJ	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00

COLORTEC ORIGIN Textile, 1300g/m2.

Results per functional unit for Colortec ORIGIN Textile, 1300 g/m2 according to EN 15804

Core environmental impact indicators (MANDATORY)

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-fossil	kg CO ₂ eq.	1.18E+01	4.37E-01	1.37E+00	0E+00	4.50E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.98E-02	1.53E+00	0E+00	0E+00
GWP-biogenic	kg CO ₂ eq.	5.20E+00	4.22E-04	9.88E-02	0E+00	-7.38E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.39E-05	1.77E+00	0E+00	0E+00
GWP-luluc	kg CO ₂ eq.	1.12E+00	2.07E-04	1.10E-03	0E+00	2.38E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.98E-05	6.43E-05	0E+00	0E+00
GWP-total	kg CO ₂ eq.	1.82E+01	4.38E-01	1.47E+00	0E+00	4.00E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.99E-02	3.30E+00	0E+00	0E+00
ODP	kg CFC 11 eq.	8.15E-07	9.87E-08	1.84E-07	0E+00	5.17E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.09E-08	2.85E-08	0E+00	0E+00
AP	mol H ⁺ eq.	2.98E-01	1.24E-03	6.00E-03	0E+00	2.94E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.43E-04	5.39E-03	0E+00	0E+00
EP-freshwater	kg P eq.	4.90E-03	3.30E-05	3.65E-04	0E+00	2.23E-05	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.63E-06	3.06E-05	0E+00	0E+00
EP-marine	kg N eq.	5.24E-02	2.42E-04	1.25E-03	0E+00	7.96E-05	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.65E-05	3.94E-03	0E+00	0E+00
EP-terrestrial	mol N eq.	1.22E+00	2.63E-03	1.23E-02	0E+00	5.93E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.88E-04	2.66E-02	0E+00	0E+00
POCP	kg NMVOC eq.	4.49E-02	1.01E-03	4.72E-03	0E+00	1.53E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.12E-04	6.35E-03	0E+00	0E+00
ADP-minerals&metals*	kg Sb eq.	9.05E-05	2.00E-06	1.88E-05	0E+00	6.68E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.09E-07	7.36E-07	0E+00	0E+00
ADP-fossil*	MJ	1.49E+02	6.55E+00	2.40E+01	0E+00	7.65E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	7.42E-01	3.08E+00	0E+00	0E+00
WDP*	m ³	6.83E+00	2.18E-02	6.18E-01	0E+00	4.63E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.86E-03	9.20E-02	0E+00	0E+00

Additional mandatory environmental impact indicators (MANDATORY)

GWP-GHG	kg CO ₂ eq.	2.27E-06	2.99E-08	5.20E-08	0E+00	2.65E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.87E-09	1.92E-08	0E+00	0E+00
PM	Disease incidence	5.94E-01	3.48E-02	1.01E-01	0E+00	8.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.14E-03	4.25E-03	0E+00	0E+00
IRP	kBq U235 eq.	2.81E+02	5.35E+00	5.45E+01	0E+00	1.48E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.50E-01	3.63E+00	0E+00	0E+00
ETP-fw	CTUe	6.92E-09	1.93E-10	1.52E-09	0E+00	3.73E-11	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.71E-11	1.48E-10	0E+00	0E+00
HTP-c	CTUh	1.74E-07	5.17E-09	1.96E-08	0E+00	1.05E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.17E-10	2.49E-09	0E+00	0E+00
HTP-nc	CTUh	1.20E+03	3.87E+00	3.64E+00	0E+00	4.96E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.62E-01	4.68E-01	0E+00	0E+00
SQP	dimensionless	2.27E-06	2.99E-08	5.20E-08	0E+00	2.65E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.87E-09	1.92E-08	0E+00	0E+00

Indicators describing resource use (MANDATORY)																		
PERE	MJ	4.13E+01	1.11E-01	1.13E+00	0E+00	2.33E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.57E-02	5.24E-02	0E+00	0E+00
PERM	MJ	5.37E+00	1.36E-02	9.22E-02	0E+00	1.05E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.07E-03	4.03E-03	0E+00	0E+00
PERT	MJ	4.67E+01	1.24E-01	1.22E+00	0E+00	2.44E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.78E-02	5.65E-02	0E+00	0E+00
PENRE	MJ	1.57E+02	6.55E+00	2.40E+01	0E+00	7.69E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	7.42E-01	3.08E+00	0E+00	0E+00
PENRM	MJ	3.98E+01	3.95E-06	2.20E-05	0E+00	1.75E-06	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.18E-07	1.09E-06	0E+00	0E+00
PENRT	MJ	1.97E+02	6.55E+00	2.40E+01	0E+00	7.69E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	7.42E-01	3.08E+00	0E+00	0E+00
SM	kg	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
RSF	MJ	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
NRSF	MJ	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
FW	m³	3.18E-01	1.30E-03	9.01E-03	0E+00	6.48E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.53E-04	1.38E-03	0E+00	0E+00
Environmental information describing waste categories (MANDATORY)																		
Hazardous waste disposed	kg	7.43E-03	1.76E-05	1.46E-05	0E+00	8.07E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.05E-06	4.10E-06	0E+00	0E+00
Non-hazardous waste disposed	kg	2.11E+00	2.78E-01	1.41E-01	0E+00	5.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.42E-02	8.61E-02	0E+00	0E+00
Radioactive waste disposed	kg	3.74E-04	4.39E-05	3.96E-05	0E+00	2.82E-06	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.90E-06	2.56E-06	0E+00	0E+00
Environmental information describing output flows (MANDATORY)																		
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Material for recycling	kg	1.27E-02	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	9.77E-02	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	1.95E+00	0E+00	0E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Exported thermal energy	MJ	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00

COLORTEC ORIGIN Textile, 1500g/m2.

Results per functional unit for Colortec ORIGIN Textile, 1500 g/m2 according to EN 15804

Core environmental impact indicators (MANDATORY)

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-fossil	kg CO ₂ eq.	1.33E+01	4.82E-01	1.37E+00	0E+00	4.50E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.49E-02	1.69E+00	0E+00	0E+00
GWP-biogenic	kg CO ₂ eq.	6.00E+00	4.66E-04	9.88E-02	0E+00	-7.38E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.94E-05	1.95E+00	0E+00	0E+00
GWP-luluc	kg CO ₂ eq.	1.30E+00	2.28E-04	1.10E-03	0E+00	2.38E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.28E-05	7.09E-05	0E+00	0E+00
GWP-total	kg CO ₂ eq.	2.06E+01	4.83E-01	1.47E+00	0E+00	4.00E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.50E-02	3.64E+00	0E+00	0E+00
ODP	kg CFC 11 eq.	8.99E-07	1.09E-07	1.84E-07	0E+00	5.17E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.20E-08	3.14E-08	0E+00	0E+00
AP	mol H ⁺ eq.	3.42E-01	1.37E-03	6.00E-03	0E+00	2.94E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.58E-04	5.94E-03	0E+00	0E+00
EP-freshwater	kg P eq.	5.51E-03	3.64E-05	3.65E-04	0E+00	2.23E-05	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.10E-06	3.37E-05	0E+00	0E+00
EP-marine	kg N eq.	6.02E-02	2.67E-04	1.25E-03	0E+00	7.96E-05	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.92E-05	4.34E-03	0E+00	0E+00
EP-terrestrial	mol N eq.	1.40E+00	2.90E-03	1.23E-02	0E+00	5.93E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.18E-04	2.94E-02	0E+00	0E+00
POCP	kg NMVOC eq.	5.07E-02	1.11E-03	4.72E-03	0E+00	1.53E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.23E-04	7.00E-03	0E+00	0E+00
ADP-minerals&metals*	kg Sb eq.	1.01E-04	2.21E-06	1.88E-05	0E+00	6.68E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.41E-07	8.11E-07	0E+00	0E+00
ADP-fossil*	MJ	1.64E+02	7.22E+00	2.40E+01	0E+00	7.65E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	8.18E-01	3.39E+00	0E+00	0E+00
WDP*	m ³	7.51E+00	2.40E-02	6.18E-01	0E+00	4.63E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.16E-03	1.01E-01	0E+00	0E+00

Additional mandatory environmental impact indicators (MANDATORY)

GWP-GHG	kg CO ₂ eq.	1.33E+01	4.82E-01	1.37E+00	0E+00	4.50E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.49E-02	1.69E+00	0E+00	0E+00
PM	Disease incidence	2.60E-06	3.29E-08	5.20E-08	0E+00	2.65E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.17E-09	2.12E-08	0E+00	0E+00
IRP	kBq U235 eq.	6.68E-01	3.84E-02	1.01E-01	0E+00	8.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	4.56E-03	4.68E-03	0E+00	0E+00
ETP-fw	CTUe	3.20E+02	5.90E+00	5.45E+01	0E+00	1.48E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	7.17E-01	4.00E+00	0E+00	0E+00
HTP-c	CTUh	7.81E-09	2.13E-10	1.52E-09	0E+00	3.73E-11	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.99E-11	1.64E-10	0E+00	0E+00
HTP-nc	CTUh	1.96E-07	5.70E-09	1.96E-08	0E+00	1.05E-09	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.80E-10	2.74E-09	0E+00	0E+00
SQP	dimensionless	1.39E+03	4.27E+00	3.64E+00	0E+00	4.96E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3.99E-01	5.16E-01	0E+00	0E+00

Indicators describing resource use (MANDATORY)																	
PERE	MJ	4.72E+01	1.22E-01	1.13E+00	0E+00	2.33E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.73E-02	5.78E-02	0E+00	0E+00
PERM	MJ	6.18E+00	1.50E-02	9.22E-02	0E+00	1.05E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.28E-03	4.44E-03	0E+00	0E+00
PERT	MJ	5.33E+01	1.37E-01	1.22E+00	0E+00	2.44E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.96E-02	6.22E-02	0E+00	0E+00
PENRE	MJ	1.72E+02	7.22E+00	2.40E+01	0E+00	7.69E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	8.18E-01	3.39E+00	0E+00	0E+00
PENRM	MJ	4.46E+01	4.36E-06	2.20E-05	0E+00	1.75E-06	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	6.81E-07	1.20E-06	0E+00	0E+00
PENRT	MJ	2.17E+02	7.22E+00	2.40E+01	0E+00	7.69E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	8.18E-01	3.39E+00	0E+00	0E+00
SM	kg	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
RSF	MJ	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
NRSF	MJ	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00
FW	m³	3.34E-01	1.44E-03	9.01E-03	0E+00	6.48E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1.69E-04	1.52E-03	0E+00	0E+00
Environmental information describing waste categories (MANDATORY)																	
Hazardous waste disposed	kg	8.55E-03	1.93E-05	1.46E-05	0E+00	8.07E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.26E-06	4.52E-06	0E+00	0E+00
Non-hazardous waste disposed	kg	2.36E+00	3.07E-01	1.41E-01	0E+00	5.74E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2.67E-02	9.50E-02	0E+00	0E+00
Radioactive waste disposed	kg	4.17E-04	4.84E-05	3.96E-05	0E+00	2.82E-06	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	5.40E-06	2.82E-06	0E+00	0E+00
Environmental information describing output flows (MANDATORY)																	
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Material for recycling	kg	1.27E-02	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	1.08E-01	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	2.15E+00	0E+00	0E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00
Exported thermal energy	MJ	0.00E+00	0.00E+00	0.00E+00	0E+00	0.00E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0.00E+00	0.00E+00	0E+00	0E+00



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