EPD Registration n. S-P-02420

Environmental Product Declaration

in accordance with ISO 14025 and EN 15804

E-FIBREGLASS MESH

GT 40.40 – GT 120 KC – GT 150 FC – GT 155 KCP – GT 160 solid – GT 225 K Panzer

Programme:	The International EPD® System, www.environdec.com
Programme operator:	EPD International AB
EPD registration number:	S-P-02420
Publication date:	2020-12-14
Valid until:	2025-12-13

Programme information

Programme:	The International EPD® System EPD International AB Box 210 60 SE-100 31 Stockholm Sweden www.environdec.com info@environdec.com

CEN standard EN 15804 served as the core PCR
Product category rules (PCR): Construction products and construction services, 2012:01, version 2.33 valid until 2021-12-31
PCR review was conducted by: The Technical Committee of the International EPD® System. Chair: Massimo Marino. Contact via info@environdec.com
Independent third-party verification of the declaration and data, according to ISO 14025:2006: ☐ EPD process certification ☒ EPD verification
Third party verifier: Marcel Gómez Ferrer, Marcel Gómez Consultoria Ambiental, info@marcelgomez.com Approved by: The International EPD® System
Procedure for follow-up of data during EPD validity involves third party verifier: ☒ Yes ☐ No

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

EPDs within the same product category but from different programmes may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804.

Company information

Owner of the EPD: Biemme srl

Contact: Annalaura Biagiotti, email: annalaura@biemmebiagiotti.com

Description of the organisation:
Biemme srl born in the 1983 and began its history with the production and sale of closed cell expanded polyethylene, under the commercial name Polirex, an item that until then was unknown in the Italian market; thanks to Biemme today this product is widely used and known. Afterwards, always continuing the research to provide innovative proposals, the company began to produce non-woven fabric called Fioccotex; also in this case Biemme has been a pioneer and forerunner and the non-woven fabric (geotextile) has become in a few years a material that everyone uses.
The products line that allowed Biemme to make a big leap in quality are definitely the fiberglass mesh products, manufactured and sold under the commercial name of Glasstex. Glasstex family, thanks to the high quality standards of the various products, many of which are certified by national and international research institutes, has allowed Biemme to have a great success both in Italy and abroad. This success continues today and is the crown-jewel of the company.
The quality of all Biemme manufacturing processes is certified to ISO 9001:2015 (registration number IT-02/0366).

More information: www.biemmebiagiotti.com

Name and location of production site:
Biemme srl
Via Tevere 26
61030 Lucrezia di Cartoceto (PU), Italy
T. +39 0721/899901
info@biemmebiagiotti.com

Product information

Product name: E-Fibreglass mesh

Product identification:
This EPD covers the structural mesh in fibreglass E with anti-alcal treatment sold by Biemme srl.

The EPD includes the following products:

- Glasstex GT40.40: E-fibreglass mesh with mesh size 40x40mm and weight 130 g/m^2
- Glasstex GT 120 KC: E-fibreglass mesh with mesh size 11x11mm and weight 120 g/m^2
- Glasstex GT 150 FC: E-fibreglass mesh with mesh size 4x4 mm and weight 150 g/m^2
- Glasstex GT 155 KCP: E-fibreglass mesh with mesh size 4x4,5 mm and weight 155 g/m^2
- Glasstex GT 160 solid: E-fibreglass mesh with mesh size 4x4 mm and weight 160 g/m^2
- Glasstex GT 225 K - Panzer: E-fibreglass mesh with mesh size 5x4 mm and weight 225 g/m^2.

UN CPC code: 26890 Woven fabrics (including narrow fabrics) of glass fibres

Geographical scope: International

Product description:
The Biemme products are mesh made up by threads of E-fibreglass weaved and adsorbed in size. The mesh is principally used as support for thermal coats, screeds, plasters.

Technical specification:

Life expectancy	50 years

Dimension:

Products	Mesh size (mm)	Number of threads for warp	Number of threads for welf	Average threads width (mm)	Average thickness of sizing fabric (mm)
GT 40.40	40 x 40	26	26	1,50	0,95
GT 155 KCP	4 x 4,5	450	200	1,00	0,50
GT 150 FC	4 x 4	450	200	1,00	0,50
GT 120 KC	11 x 11	185	100	1,20	0,60

GT225 K Panzer	5 x 4	480	220	0,95	0,65
GT 160 solid	4 x 4	250	250	1,10	0,50

Products	Elongation at break % (UNI 9311/5)	Resistance traction weft UNI 9311/5	Resistance traction warp UNI 9311/5	Unit	Tolerances
GT 40.40	2,8	23	23	kN/m	+/-5%
GT 155 KCP	3,5	2014	1904	N/5cm	+/-5%
GT 150 FC	3,5	1070	1200	N/5cm	+/-5%
GT 120 KC	3,5	1318	1466	N/5cm	+/-5%
GT225 K Panzer	3,2	2700	2700	N/5cm	+/-5%
GT 160 solid	3,5	1235	1428	N/5cm	+/-5%

LCA information

Declared unit: 1 m^2 of E-fibreglass mesh
The study comprises the raw material extraction, raw material transportation, manufacturing, transportation to costumer, installation, use of product.

Reference service life: 50 years

Time representativeness: primary data refer to 2019 year. The generic data has been updated in 2019 (Ecoinvent 3.6)

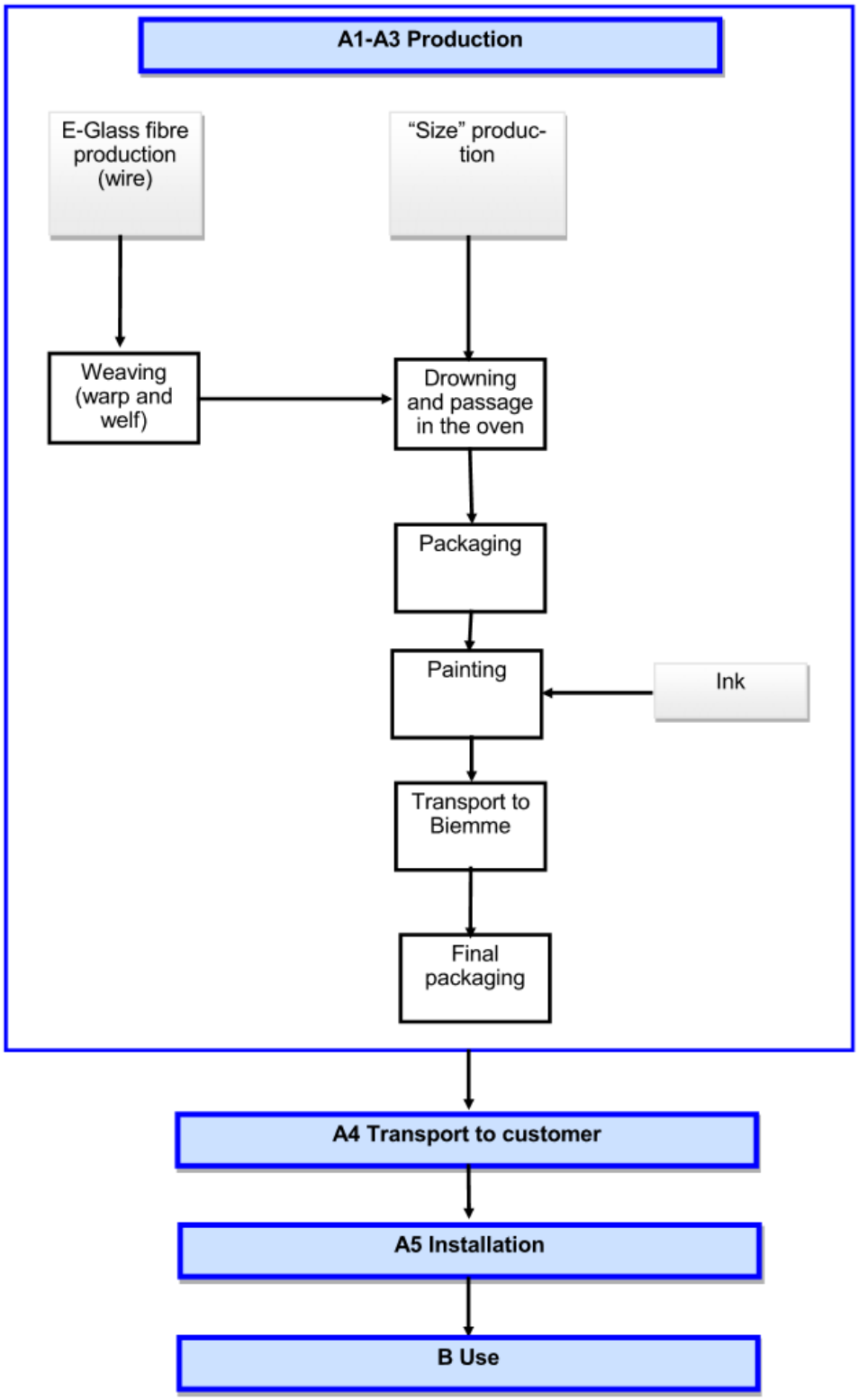
Database(s) and LCA software used: for the elaboration of data SimaPro 9.1.0.8; the database used is Ecoinvent 3.6.

Description of system boundaries: cradle-to-gate with options (A1-A3, A4-A5 and B modules)

Excluded lifecycle stages: the end-of life stages and module D are excluded by the LCA study

Name and contact information of LCA practitioners:
Esalex srl – info@esalex.eu – www.esalex.eu

System boundary is presented in the flow chart below:


A1-A3 Production
E-Glass fibre production (wire)
"Size" production
Weaving (warp and welf)
Drowning and passage in the oven
Packaging
Painting
Ink
Transport to Biemme
Final packaging
A4 Transport to customer
A5 Installation
B Use

Additional information:

- The allocation is applied in the LCA study: when necessary, mass allocation is used (with the exception of the electricity in the production phase in which the economic allocation is applied).
- Electricity: for the production phase at Biemme (A3 module), the Italian production mix (2016) is used. 1 kWh = 0,414 Kg CO2eq.
  For the production of raw material (A1 module), other electricity mixes have been considered.
- Cut-off: at least 95% of the energy and materials used by module has been introduced, as well as 99% of the total use of energy and materials
- The modularity principle, as well as the polluter payer principle have been followed
- The next processes have not been included since its impact is not significant:
  - Environmental impact from infrastructure, construction, production equipment, and tools that are not directly consumed in the production process.
  - Personnel-related impacts, such as transportation to and from work.
- The impact method used are:
  - CML v. 3.06
  - Cumulative energy demand v. 1.00 for resource use
  - EDIP 2003 v. 1.07 for waste production
  - GHG Protocol for biogenic CO_2 v. 1.02
  - AWARE v.1.02 for water footprint.

The verifier and the program operator do not make any claim nor have any responsibility of the legality of the product.

- Modules declared and geographical scope are:

	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 demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
Module	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Modules declared	X	X	X	X	X	X	X	X	X	X	X	X	MND	MND	MND	MND	MND
Geography	Croatia	Italy	Italy	Italy	Italy	Italy	Italy	Italy	Italy	Italy	Italy	Italy					

- Module A1 – Raw material supply: this module includes the extraction of raw material.
- Module A2 – Transport: this module includes the transportation of raw materials from the production site to the Biemme gate
- Module A3 – Manufacturing: this module considers the Biemme internal processes, including consumption of energy, resources and packaging. Output flows include production waste and packaging of raw materials.
- A4 – Transport: this module considers the transport of product to construction site.

PARAMETER	DESCRIPTION	VALUE
Vehicle type used for transport		Truck and ship
Vehicle load capacity		For truck: 16-32 metric ton For ship: 1.200 ton
Fuel type and consumption	Litre of fuel (kg of fuel for ton*km transported)	For truck: 0,0374 diesel, low -sulfur (from Ecoinvent) For ship: 0,0295 kg heavy fuel oil (from Ecoinvent)
Distance to central warehouse or storage, if relevant	km	Not considered
Distance to construction site	Km	GT 40.40 for truck: 620,83

		for ship: 21,53 GT 155 KCP for truck: 647,89 for ship: 43,94 GT 150 FC for truck: 911,75 for ship: 10,21 GT 120 KC for truck: 592,71 GT225 K Panzer for truck: 288,72 GT 160 solid for truck: 612,38 for ship: 15,14
Capacity utilisation (including empty returns)	%	For truck: 24,13% For ship: 50%
Bulk density of transported products	Kg/m^3	GT 40.40: 160,57 GT 155 KCP: 306,51 GT 150 FC: 273,31 GT 120 KC: 239,71 GT225 K Panzer: 390,50 GT 160 solid: 288,93
Volume capacity utilisation factor (factor: = 1 or < 1 or ≥ 1 for compressed or nested packaged products)	/	1

- Module A5 – Construction installation: this module considers the installation of product in the building with use of auxiliary materials.

PARAMETER	DESCRIPTION	VALUE/
Auxiliary materials for installation		No auxiliary material is used for installation
Use of water	m^3	0
Use of other resources	kg	0
Quantitative description of energy type and consumption during the preparation and installation process	Electric energy kWh	0

Direct emissions to ambient air, soil and water	kg	0
Waste materials on the building site, generated by the product's installation; specified by type	Product losses	1%
	Cardboard (average) kg	0,0079
	Plastic bags (average) kg	0,0011
Output materials (specified by type) as result of waste processing at the construction site e.g. of collection for recycling, for energy recovery, disposal; specified by route		Packaging: recycling (paper 88,8%, plastic 87,5%) and landfill (paper 11,2%, plastic 12,5%). Product losses: landfill
Vehicle type used for transport specified for all waste and output material types		For packaging waste: lorry of 7,5-16 metric ton. For installation waste: lorry 16-32 metric ton
Vehicle load capacity		For packaging waste: lorry of 7,5-16 metric ton. For installation waste: lorry 16-32 metric ton
Fuel type and consumption	Litre of fuel type per distance	For lorry of 7.5-16 metric ton: 0,0473 kg of diesel, low – sulfur For lorry of 16-32 metric ton: 0,0374 kg of diesel, low – sulfur (data from Ecoinvent)
Capacity utilisation (including empty returns)	%	For lorry of 7.5-16 metric ton: 35,41% For lorry of 16-32 metric ton: 36,67% (data from Ecoinvent)
Bulk density of transported products	kg/m3	GT 40.40: 133,16 GT 155 KCP: 282,55 GT 150 FC: 215,75

		GT 120 KC: 239,71 GT225 K Panzer: 333,54 GT 160 solid: 264,97 (considered product, paper and plastic waste)
Volume capacity utilisation factor (factor: = 1 or < 1 or ≥ 1 for compressed or nested packaged products)		1
Transportation distance	Km	50 Km (for transport of product and packaging waste)
Distance to construction site	Not applicable	Not applicable

- Module B – Use stage: the product doesn't require any use, maintenance, repair, replacement, refurbishment and it isn't necessary use of energy or water for his use.

Content declaration

GT 40.40

The GT 40.40 product content declaration is illustrated below.

Product components	Weight, kg	Post-consumer material, weight-%	Renewable material, weight-%
Fibreglass mesh	0,110	0	0
Size (SBR)	0,019	0	0
Ink	6,67E-04	0	0
TOTAL	0,130		
Packaging materials	**Weight, kg**	**Weight-% (versus the product)**	
Pallet	0,028	21,62%	
Cardboard core	0,0038	2,91%	
Cardboard box	0,0021	1,61%	
Plastic bag	0,0007	0,54%	
TOTAL	0,035		

There are no SVHC substances in the product more than 0.1 % of weight of the product.

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Environmental performance

Potential environmental impact

Results per declared unit												
Indicator		Total	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7
Global warming potential (GWP)	Fossil (kg CO2 eq.)	5,20E-01	4,97E-01	1,74E-02	5,26E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Biogenic (kg CO2 eq.)	2,40E-02	2,24E-02	1,13E-04	1,46E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Land use and land transformation (kg CO2 eq.)	1,59E-03	1,57E-03	6,41E-06	1,58E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	TOTAL (kg CO2 eq.)	5,45E-01	5,21E-01	1,75E-02	6,73E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Depletion potential of the stratospheric ozone layer (ODP) (kg CFC 11 eq.)		3,56E-08	3,21E-08	3,19E-09	3,71E-10	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Acidification potential (AP) (kg SO2 eq.)		3,44E-03	3,32E-03	7,64E-05	3,45E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Eutrophication potential (EP) (kg PO43- eq.)		3,13E-04	2,96E-04	1,28E-05	3,67E-06	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Formation potential of tropospheric ozone (POCP) (kg C2H4 eq.)		2,18E-04	2,13E-04	2,57E-06	2,39E-06	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Abiotic depletion potential - Elements (kg Sb eq.)		1,96E-05	1,89E-05	4,70E-07	1,97E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Abiotic depletion potential - Fossil resources (MJ, net calorific value)		7,16E+00	6,82E+00	2,60E-01	7,25E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Water scarcity potential (m3 eq)		1,25E-01	1,23E-01	7,43E-04	1,26E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Use of resources

Results per declared unit												
Indicator	Unit	total	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7
Primary energy resources - Renewable	Use as energy carrier (MJ)	1,77E+00	1,75E+00	3,71E-03	1,76E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Used as raw materials (MJ)	1,11E+00	1,09E+00	0,00E+00	1,11E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	TOTAL	2,88E+00	2,84E+00	3,71E-03	2,86E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Primary energy resources -	Use as energy carrier (MJ)	8,08E+00	7,73E+00	2,66E-01	8,17E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Non-renewable	Used as raw materials (MJ)	7,81E-01	7,73E-01	0,00E+00	7,81E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	TOTAL	8,86E+00	8,51E+00	2,66E-01	8,95E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Secondary material (kg)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Renewable secondary fuels (MJ)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-renewable secondary fuels (MJ)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water (m3)		3,07E-03	2,99E-03	4,96E-05	3,11E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Waste production and output flows

Waste production

Results per declared unit											
Indicator	**Total**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**
Hazardous waste disposed (kg)	1,08E-05	9,96E-06	6,87E-07	1,12E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-hazardous waste disposed (kg)	7,03E-02	5,50E-02	1,25E-02	2,78E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Radioactive waste disposed (kg)	2,02E-05	1,81E-05	1,81E-06	2,14E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Output flows

Results per declared unit											
Indicator	**Total**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**
Components for re-use (kg)	6,46E-02	3,62E-02	0,00E+00	2,85E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Material for recycling (kg)	5,84E-03	0,00E+00	0,00E+00	5,84E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery (kg)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, electricity (MJ)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, thermal (MJ)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Content declaration

GT 155 KCP

The GT 155 KCP product content declaration is illustrated below.

Product components	Weight, kg	Post-consumer material, weight-%	Renewable material, weight-%
Fibreglass mesh	0,138	0	0
Size (SBR)	0,016	0	0
Ink	6,67E-04	0	0
TOTAL	0,155		
Packaging materials	**Weight, kg**	**Weight-% (versus the product)**	
Pallet	0,014	8,99%	
Cardboard core	0,006	4,07%	
Cardboard box	0,0019	1,23%	
Plastic bag	0,0012	0,76%	
TOTAL	0,023		

There are no SVHC substances in the product more than 0.1 % of weight of the product.

Environmental performance

Potential environmental impact

Results per declared unit												
Indicator		Total	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7
Global warming potential (GWP)	Fossil (kg CO2 eq.)	5,69E-01	5,44E-01	1,97E-02	5,79E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Biogenic (kg CO2 eq.)	2,25E-02	2,04E-02	1,26E-04	1,92E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Land use and land transformation (kg CO2 eq.)	1,64E-03	1,62E-03	7,39E-06	1,63E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	TOTAL (kg CO2 eq.)	5,93E-01	5,66E-01	1,99E-02	7,73E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Depletion potential of the stratospheric ozone layer (ODP) (kg CFC 11 eq.)		3,94E-08	3,54E-08	3,62E-09	4,16E-10	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Acidification potential (AP) (kg SO2 eq.)		3,67E-03	3,53E-03	9,59E-05	3,70E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Eutrophication potential (EP) (kg PO43- eq.)		3,35E-04	3,15E-04	1,55E-05	4,11E-06	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Formation potential of tropospheric ozone (POCP) (kg C2H4 eq.)		2,15E-04	2,09E-04	3,14E-06	2,45E-06	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Abiotic depletion potential - Elements (kg Sb eq.)		2,40E-05	2,32E-05	5,26E-07	2,42E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Abiotic depletion potential - Fossil resources (MJ, net calorific value)		7,62E+00	7,24E+00	2,95E-01	7,76E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Water scarcity potential (m3 eq)		1,34E-01	1,32E-01	8,34E-04	1,35E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Use of resources

Results per declared unit												
Indicator	Unit	total	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7
Primary energy resources - Renewable	Use as energy carrier (MJ)	1,48E+00	1,46E+00	4,16E-03	1,47E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Used as raw materials (MJ)	6,27E-01	6,21E-01	0,00E+00	6,27E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	TOTAL	2,11E+00	2,09E+00	4,16E-03	2,10E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Primary energy resources - Non-renewable	Use as energy carrier (MJ)	8,61E+00	8,22E+00	3,01E-01	8,75E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Used as raw materials (MJ)	6,73E-01	6,66E-01	0,00E+00	6,73E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

	TOTAL	9,28E+00	8,89E+00	3,01E-01	9,42E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Secondary material (kg)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Renewable secondary fuels (MJ)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-renewable secondary fuels (MJ)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water (m3)		3,34E-03	3,25E-03	5,58E-05	3,40E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Waste production and output flows

Waste production

Results per declared unit											
Indicator	**Total**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**
Hazardous waste disposed (kg)	1,25E-05	1,16E-05	7,69E-07	1,29E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-hazardous waste disposed (kg)	7,78E-02	6,05E-02	1,39E-02	3,43E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Radioactive waste disposed (kg)	2,18E-05	1,96E-05	2,05E-06	2,31E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Output flows

Results per declared unit											
Indicator	**Total**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**
Components for re-use (kg)	3,73E-02	2,31E-02	0,00E+00	1,42E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Material for recycling (kg)	8,33E-03	0,00E+00	0,00E+00	8,33E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery (kg)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, electricity (MJ)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, thermal (MJ)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Content declaration

GT 150 FC

The GT 150 FC product content declaration is illustrated below.

Product components	Weight, kg	Post-consumer material, weight-%	Renewable material, weight-%
Fibreglass mesh	0,133	0	0
Size (SBR)	0,016	0	0
Ink	6,67E-04	0	0
TOTAL	0,150		
Packaging materials	**Weight, kg**	**Weight-% (versus the product)**	
Pallet	0,015	10,22%	
Cardboard core	0,006	4,21%	
Cardboard box	0,0021	1,39%	
Plastic bag	0,0012	0,79%	
TOTAL	0,025		

There are no SVHC substances in the product more than 0.1 % of weight of the product.

Environmental performance

Potential environmental impact

Results per declared unit												
Indicator		Total	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7
Global warming potential (GWP)	Fossil (kg CO2 eq.)	5,67 E-01	5,35 E-01	2,63 E-02	5,77 E-03	0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00
	Biogenic (kg CO2 eq.)	2,29 E-02	2,07 E-02	1,72 E-04	1,96 E-03	0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00
	Land use and land transformation (kg CO2 eq.)	1,63 E-03	1,60 E-03	9,61 E-06	1,62 E-05	0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00
	TOTAL (kg CO2 eq.)	5,91 E-01	5,57 E-01	2,65 E-02	7,75 E-03	0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00
Depletion potential of the stratospheric ozone layer (ODP) (kg CFC 11 eq.)		4,01 E-08	3,48 E-08	4,85 E-09	4,23 E-10	0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00
Acidification potential (AP) (kg SO2 eq.)		3,64 E-03	3,49 E-03	1,07 E-04	3,67 E-05	0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00
Eutrophication potential (EP) (kg PO43- eq.)		3,34 E-04	3,11 E-04	1,86 E-05	4,12 E-06	0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00
Formation potential of tropospheric ozone (POCP) (kg C2H4 eq.)		2,14 E-04	2,08 E-04	3,68 E-06	2,45 E-06	0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00
Abiotic depletion potential - Elements (kg Sb eq.)		2,34 E-05	2,25 E-05	7,21 E-07	2,36 E-07	0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00
Abiotic depletion potential - Fossil resources (MJ, net calorific value)		7,60 E+00	7,13 E+00	3,95 E-01	7,75 E-02	0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00
Water scarcity potential (m3 eq)		1,33 E-01	1,30 E-01	1,14 E-03	1,34 E-03	0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00

Use of resources

Results per declared unit												
Indicator	Unit	total	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7
Primary energy resources - Renewable	Use as energy carrier (MJ)	1,51E +00	1,49E +00	5,67E -03	1,50 E-02	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
	Used as raw materials (MJ)	6,79E-01	6,73E -01	0,00E +00	6,79 E-03	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
	TOTAL	2,19E +00	2,16E +00	5,67E -03	2,18 E-02	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Primary energy resources - Non-renewable	Use as energy carrier (MJ)	8,59E +00	8,10E +00	4,03E -01	8,73 E-02	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
	Used as raw materials (MJ)	6,73E-01	6,66E -01	0,00E +00	6,73 E-03	0,00 E+00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00

	TOTAL	9,26E+00	8,76E+00	4,03E-01	9,41E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Secondary material (kg)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Renewable secondary fuels (MJ)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-renewable secondary fuels (MJ)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water (m3)		3,31E-03	3,20E-03	7,58E-05	3,37E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Waste production and output flows

Waste production

Results per declared unit											
Indicator	**Total**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**
Hazardous waste disposed (kg)	1,25E-05	1,13E-05	1,05E-06	1,29E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-hazardous waste disposed (kg)	8,19E-02	5,93E-02	1,92E-02	3,45E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Radioactive waste disposed (kg)	2,23E-05	1,93E-05	2,75E-06	2,35E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Output flows

Results per declared unit											
Indicator	**Total**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**
Components for re-use (kg)	3,87E-02	2,31E-02	0,00E+00	1,56E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Material for recycling (kg)	8,49E-03	0,00E+00	0,00E+00	8,49E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery (kg)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, electricity (MJ)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, thermal (MJ)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Content declaration

GT 120 KC

The GT 120 KC product content declaration is illustrated below.

Product components	Weight, kg	Post-consumer material, weight-%	Renewable material, weight-%
Fibreglass mesh	0,110	0	0
Size (SBR)	0,009	0	0
Ink	6,67E-04	0	0
TOTAL	0,120		
Packaging materials	**Weight, kg**	**Weight-% (versus the product)**	
Pallet	0,014	11,98%	
Cardboard core	0,006	5,26%	
Cardboard box	0,0020	1,63%	
Plastic bag	0,0012	0,99%	
TOTAL	0,024		

There are no SVHC substances in the product more than 0.1 % of weight of the product.

Environmental performance

Potential environmental impact

Results per declared unit												
Indicator		Total	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7
Global warming potential (GWP)	Fossil (kg CO2 eq.)	4,78E-01	4,59 E-01	1,40E -02	4,88 E-03	0,00E +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
	Biogenic (kg CO2 eq.)	2,14E-02	1,94 E-02	9,20E -05	1,93 E-03	0,00E +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
	Land use and land transformation (kg CO2 eq.)	1,55E-03	1,53 E-03	5,08E -06	1,54 E-05	0,00E +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
	TOTAL (kg CO2 eq.)	5,01E-01	4,80 E-01	1,41E -02	6,83 E-03	0,00E +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
Depletion potential of the stratospheric ozone layer (ODP) (kg CFC 11 eq.)		3,25E-08	2,96 E-08	2,58E -09	3,47 E-10	0,00E +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
Acidification potential (AP) (kg SO2 eq.)		3,27E-03	3,18 E-03	5,44E -05	3,30 E-05	0,00E +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
Eutrophication potential (EP) (kg PO43- eq.)		2,92E-04	2,79 E-04	9,63E -06	3,70 E-06	0,00E +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
Formation potential of tropospheric ozone (POCP) (kg C2H4 eq.)		1,71E-04	1,67 E-04	1,90E -06	2,02 E-06	0,00E +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
Abiotic depletion potential - Elements (kg Sb eq.)		1,93E-05	1,87 E-05	3,85E -07	1,95 E-07	0,00E +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
Abiotic depletion potential - Fossil resources (MJ, net calorific value)		6,13E+00	5,86 E+00	2,10E -01	6,28 E-02	0,00E +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
Water scarcity potential (m3 eq)		1,16E-01	1,14 E-01	6,06E -04	1,18 E-03	0,00E +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

Use of resources

Results per declared unit												
Indicator	Unit	total	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7
Primary energy resources - Renewable	Use as energy carrier (MJ)	1,42 E+00	1,40 E+00	3,03 E-03	1,41E -02	0,00E +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
	Used as raw materials (MJ)	6,44 E-01	6,37 E-01	0,00 E+00	6,44E -03	0,00E +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
	TOTAL	2,06 E+00	2,04 E+00	3,03 E-03	2,05E -02	0,00E +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
Primary energy resources -	Use as energy carrier (MJ)	7,02 E+00	6,73 E+00	2,14 E-01	7,17E -02	0,00E +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

Non-renewable	Used as raw materials (MJ)	4,21 E-01	4,17 E-01	0,00 E+00	4,21E -03	0,00E +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
	TOTAL	7,44 E+00	7,15 E+00	2,14 E-01	7,59E -02	0,00E +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
Secondary material (kg)		0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00E +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
Renewable secondary fuels (MJ)		0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00E +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
Non-renewable secondary fuels (MJ)		0,00 E+00	0,00 E+00	0,00 E+00	0,00E +00	0,00E +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
Net use of fresh water (m3)		2,88 E-03	2,82 E-03	4,04 E-05	2,94E -05	0,00E +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

Waste production and output flows

Waste production

Results per declared unit											
Indicator	**Total**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**
Hazardous waste disposed (kg)	1,01E-05	9,44E -06	5,62E -07	1,05E-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	0,00 E+00
Non-hazardous waste disposed (kg)	6,40E-02	5,08E -02	1,03E -02	2,96E-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	0,00 E+00
Radioactive waste disposed (kg)	1,87E-05	1,70E -05	1,46E -06	1,99E-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	0,00 E+00

Output flows

Results per declared unit											
Indicator	**Total**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**
Components for re-use (kg)	3,82E-02	2,36E-02	0,00E +00	1,46E-02	0,00E +00	0,00E +00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Material for recycling (kg)	8,38E-03	0,00E+00	0,00E +00	8,38E-03	0,00E +00	0,00E +00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Materials for energy recovery (kg)	0,00E+00	0,00E+00	0,00E +00	0,00E +00	0,00E +00	0,00E +00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Exported energy, electricity (MJ)	0,00E+00	0,00E+00	0,00E +00	0,00E +00	0,00E +00	0,00E +00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Exported energy, thermal (MJ)	0,00E+00	0,00E+00	0,00E +00	0,00E +00	0,00E +00	0,00E +00	0,00E +00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00

Content declaration

GT 225 K Panzer

The GT 225 K Panzer product content declaration is illustrated below.

Product components	Weight, kg	Post-consumer material, weight-%	Renewable material, weight-%
Fibreglass mesh	0,210	0	0
Size (SBR)	0,014	0	0
Ink	6,67E-04	0	0
TOTAL	0,225		
Packaging materials	**Weight, kg**	**Weight-% (versus the product)**	
Pallet	0,015	6,81%	
Cardboard core	0,006	2,80%	
Cardboard box	0,0021	0,93%	
Plastic bag	0,012	0,53%	
TOTAL	0,025		

There are no SVHC substances in the product more than 0.1 % of weight of the product.

Environmental performance

Potential environmental impact

Results per declared unit												
Indicator		Total	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7
Global warming potential (GWP)	Fossil (kg CO2 eq.)	7,20E-01	7,01E-01	1,18E-02	7,30E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Biogenic (kg CO2 eq.)	2,54E-02	2,33E-02	7,78E-05	1,99E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Land use and land transformation (kg CO2 eq.)	1,83E-03	1,81E-03	4,29E-06	1,82E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	TOTAL (kg CO2 eq.)	7,48E-01	7,26E-01	1,19E-02	9,30E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Depletion potential of the stratospheric ozone layer (ODP) (kg CFC 11 eq.)		5,01E-08	4,74E-08	2,18E-09	5,25E-10	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Acidification potential (AP) (kg SO2 eq.)		4,32E-03	4,23E-03	4,60E-05	4,35E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Eutrophication potential (EP) (kg PO43- eq.)		4,01E-04	3,88E-04	8,14E-06	4,79E-06	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Formation potential of tropospheric ozone (POCP) (kg C2H4 eq.)		2,36E-04	2,31E-04	1,60E-06	2,66E-06	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Abiotic depletion potential - Elements (kg Sb eq.)		3,54E-05	3,47E-05	3,26E-07	3,55E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Abiotic depletion potential - Fossil resources (MJ, net calorific value)		9,39E+00	9,12E+00	1,78E-01	9,54E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Water scarcity potential (m3 eq)		1,64E-01	1,62E-01	5,12E-04	1,66E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Use of resources

Results per declared unit												
Indicator	Unit	total	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7
Primary energy resources - Renewable	Use as energy carrier (MJ)	1,66E+00	1,64E+00	2,56E-03	1,65E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Used as raw materials (MJ)	6,79E-01	6,73E-01	0,00E+00	6,79E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	TOTAL	2,34E+00	2,31E+00	2,56E-03	2,32E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Primary energy resources -	Use as energy carrier (MJ)	1,06E+01	1,03E+01	1,81E-01	1,07E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Non-renewable	Used as raw materials (MJ)	5,95E-01	5,95E-01	0,00E+00	6,01E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	TOTAL	1,12E+01	1,09E+01	1,81E-01	1,13E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Secondary material (kg)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Renewable secondary fuels (MJ)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-renewable secondary fuels (MJ)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water (m3)		4,27E-03	4,19E-03	3,42E-05	4,33E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Waste production and output flows

Waste production

Results per declared unit											
Indicator	**Total**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**
Hazardous waste disposed (kg)	1,74E-05	1,67E-05	4,75E-07	1,78E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-hazardous waste disposed (kg)	9,55E-02	8,25E-02	8,67E-03	4,33E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Radioactive waste disposed (kg)	2,64E-05	2,49E-05	1,24E-06	2,78E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Output flows

Results per declared unit											
Indicator	**Total**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**
Components for re-use (kg)	4,03E-02	2,47E-02	0,00E+00	1,56E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Material for recycling (kg)	8,49E-03	0,00E+00	0,00E+00	8,49E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery (kg)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, electricity (MJ)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, thermal (MJ)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Content declaration

GT 160 solid

The GT 160 solid product content declaration is illustrated below.

Product components	Weight, kg	Post-consumer material, weight-%	Renewable material, weight-%
Fibreglass mesh	0,150	0	0
Size (SBR)	0,009	0	0
Ink	6,67E-04		
TOTAL	0,160		
Packaging materials	**Weight, kg**	**Weight-% (versus the product)**	
Pallet	0,015	9,58%	
Cardboard core	0,006	3,94%	
Cardboard box	0,0021	1,31%	
Plastic bag	0,0015	0,74%	
TOTAL	0,025		

There are no SVHC substances in the product more than 0.1 % of weight of the product.

Environmental performance

Potential environmental impact

Results per declared unit												
Indicator		Total	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7
Global warming potential (GWP)	Fossil (kg CO2 eq.)	5,75E-01	5,50 E-01	1,88E -02	5,85 E-03	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
	Biogenic (kg CO2 eq.)	2,31E-02	2,10 E-02	1,23E -04	1,96 E-03	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
	Land use and land transformation (kg CO2 eq.)	1,66E-03	1,64 E-03	6,93E -06	1,66 E-05	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
	TOTAL (kg CO2 eq.)	6,00E-01	5,73 E-01	1,90E -02	7,83 E-03	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
Depletion potential of the stratospheric ozone layer (ODP) (kg CFC 11 eq.)		4,04E-08	3,65 E-08	3,47E -09	4,26 E-10	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
Acidification potential (AP) (kg SO2 eq.)		3,70E-03	3,58 E-03	8,02E -05	3,73 E-05	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
Eutrophication potential (EP) (kg PO43- eq.)		3,38E-04	3,21 E-04	1,37E -05	4,17 E-06	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
Formation potential of tropospheric ozone (POCP) (kg C2H4 eq.)		1,89E-04	1,84 E-04	2,72E -06	2,20 E-06	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
Abiotic depletion potential - Elements (kg Sb eq.)		2,59E-05	2,51 E-05	5,13E -07	2,60 E-07	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
Abiotic depletion potential - Fossil resources (MJ, net calorific value)		7,35E+00	7,00 E+00	2,83E -01	7,51 E-02	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
Water scarcity potential (m3 eq)		1,34E-01	1,32 E-01	8,10E -04	1,36 E-03	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

Use of resources

Results per declared unit												
Indicator	Unit	total	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7
Primary energy resources - Renewable	Use as energy carrier (MJ)	1,53E +00	1,51E +00	4,04E -03	1,52 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
	Used as raw materials (MJ)	6,79E-01	6,73E -01	0,00E +00	6,79 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	0,00 E+00
	TOTAL	2,21E +00	2,18E +00	4,04E -03	2,20 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
Primary energy resources - Non-renewable	Use as energy carrier (MJ)	8,36E +00	7,99E +00	2,89E -01	8,52 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
	Used as raw materials (MJ)	4,21E-01	4,17E -01	0,00E +00	4,21 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	0,00 E+00

	TOTAL	8,79E+00	8,41E+00	2,89E-01	8,94E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Secondary material (kg)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Renewable secondary fuels (MJ)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-renewable secondary fuels (MJ)		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water (m3)		3,44E-03	3,35E-03	5,41E-05	3,50E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Waste production and output flows

Waste production

Results per declared unit											
Indicator	**Total**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**
Hazardous waste disposed (kg)	1,32E-05	1,23E-05	7,49E-07	1,36E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-hazardous waste disposed (kg)	8,04E-02	6,33E-02	1,36E-02	3,53E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Radioactive waste disposed (kg)	2,23E-05	2,01E-05	1,97E-06	2,35E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Output flows

Results per declared unit											
Indicator	**Total**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**
Components for re-use (kg)	4,03E-02	2,47E-02	0,00E+00	1,56E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Material for recycling (kg)	8,49E-03	0,00E+00	0,00E+00	8,49E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery (kg)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, electricity (MJ)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, thermal (MJ)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Additional information

No further information is provided.

References

- General Programme Instructions of the International EPD® System. Version 2.5
- PCR 2012:01. CONSTRUCTION PRODUCTS AND CONSTRUCTION SERVICES. Version 2.33
- ISO 14040:2006 Environmental management-Life Cycle Assessment - Principles and framework
- ISO 14044:2006 Environmental management-Life Cycle Assessment-Requirements and guidelines
- ISO 14025:2010 Environmental labels and declarations-Type III Environmental Declarations-Principles and procedures
- EN 15804:2012+A1:2013, Sustainability of construction works — Environmental product declarations
- Project report rev. 1 – E-fibreglass mesh

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