epddanmark

ECO PLATFORM EPD VERIFIED

Owner:	Fletco Carpets A/S
No.:	MD-25180-EN_rev1
First Issued:	22-12-2025
Revision:	28-05-2026
Valid to:	22-12-2030

3rd PARTY **VERIFIED**

EPD

VERIFIED ENVIRONMENTAL PRODUCT DECLARATION | **ISO 14025 & EN 15804**

Owner of declaration
Fletco Carpets A/S
Mads Clausens Vej 2,
7441 Bording,
Denmark

VAT: DK 37702811

Program operator
EPD Danmark
www.epddanmark.dk

☐ Industry EPD
☒ Product EPD

☐ Product specific
☐ Average
☐ Worst Case

Declared product(s)
1 m^2 tufted broadloom

Number of declared datasets/product variations: 8

Production site
Mads Clausens Vej 2,
7441 Bording,
Denmark

Use of Guarantees of Origin
☐ No certificates used
☒ Electricity covered by GoO
☐ Biogas covered by GoO

Declared/ functional unit
1 m^2 tufted carpet

Year of production site data (A3)
2024

EPD version
Version 2, 28-05-2026: Correction in dataset

Issued: 22-12-2025

Valid to: 22-12-2030

Basis of calculation
This EPD is developed and verified in accordance with the European standard EN 15804+A2.

Comparability
EPDs of construction products may not be comparable if they do not comply with the requirements in EN 15804. EPD data may not be comparable if the datasets used are not developed in accordance with EN 15804 and if the background systems are not based on the same database.

Validity
This EPD has been verified in accordance with ISO 14025 and is valid for 5 years from the date of issue.

Use
The intended use of an EPD is to communicate scientifically based environmental information for construction products, for the purpose of assessing the environmental performance of buildings.

EPD type
☐Cradle-to-gate with modules C1-C4 and D
☐Cradle-to-gate with options, modules C1-C4 and D
☒Cradle-to-grave and module D
☐Cradle-to-gate
☐Cradle-to-gate with options

CEN standard EN 15804 serves as the core PCR

Independent verification of the declaration and data, according to EN ISO 14025

☐ internal ☒ external

Third party verifier:

Mirko Miseljic

Martha Katrine Sørensen
EPD Danmark

Life cycle stages and modules (MND = module not declared)																
Product			Construction process		Use							End of life				Beyond the system boundary
Raw material supply	Transport	Manufacturing	Transport	Installation process	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Re-use, recovery and recycling potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Product information

Product description

A carpet is a textile floor covering made of a pile layer (usually wool or synthetic fibers) attached to a backing, used in buildings to add comfort, reduce noise. This EPD covers tufted carpets with either rPET textilebacking or rPET feltbacking for indoor flooring.

Materials	PA 6	PA 6.6	PP	PET	Bin-der	Ba-cking
Couture broadloom w/textile	0%	49%	5%	0%	42%	4%
Ex-dono Quartet broadloom w/textile	0%	27%	0%	5%	64%	4%
Ex-dono Quartet broadloom w/felt	0%	23%	0%	5%	54%	19%
Ex-dono Quartet broadloom w/foam	0%	25%	0%	5%	71%	0%
Zenith broadloom w/textile	0%	36%	0%	5%	56%	4%
Zenith broadloom w/felt	0%	31%	0%	4%	48%	17%
Zenith broadloom w/foam	0%	33%	0%	4%	62%	0%
Penta EcoTEX (broadloom)	18%	0%	0%	5%	58%	19%

Product packaging:

The composition of the sales- and transport packaging of the product is shown in the table below.

Material	Weight of packaging material (kg)	Weight-% of packaging
Recycled HDPE carpet core	40,5	81%
Folie LDPE	9,5	19%
Total	50	100%

Representativity

This declaration, including data collection and the modeled foreground system including results, represents the production of tufted broadloom on the production site located in Bording. Product specific data are based on average values collected in the period 2024. Background data are based on LCA for experts 2025.2 and Ecoinvent 3.10 and are less than 10 years old. Generally, the used background datasets are of high quality, and the majority of the datasets are only a couple of years old.

Hazardous substances

The products covered in this EPD do not contain substances listed on the "Candidate List of Substances of Very High Concern for authorization"

(http://echa.europa.eu/candidate-list-table)

Essential characteristics

The products included in this EPD are covered by harmonised technical specification EN 14041:2004+AC:2006. Declaration of performance according to EU regulation 305/2011 is available for all declared product variations.

Further technical information can be obtained by contacting the manufacturer or on the manufacturers website: https://www.fletcocarpets.com/

Reference Service Life (RSL)

The Reference Service Life is set to one year, in accordance with ISO 16810 (PCR for carpets). However, the technical service life of tufted carpets is in practice expected to be up to 10 years under typical usage conditions, provided the manufacturer's installation instructions as well as operation and maintenance manual are followed. Further information and documentation can be found on the manufacturer's website: https://www.fletcocarpets.dk/professionel/epd

Picture of product(s)

LCA background

Declared unit

The LCI and LCIA results in this EPD relates to 1 m^2 carpet, for the product variants listed below.

Name	Value	Unit
Declared unit	1	m^2

Functional unit

Not defined

Material properties

Name	Mass factor (kg/m^2)
Couture broadloom w/textile	2,2
Ex-dono Quartet broadloom w/textile	2,1
Ex-dono Quartet broadloom w/felt	2,6
Ex-dono Quartet broadloom w/foam	2,4
Zenith broadloom w/textile	2,4
Zenith broadloom w/felt	2,9
Zenith broadloom w/foam	2,7
Penta EcoTEX (broadloom)	2,9

PCR

This EPD is developed according to the core rules for the product category of construction products in EN 15804, and the PCR EN 16810:2017 "Resilient, textile and laminate floor coverings – Environmental product declarations – Product category rules".

Conversion factors

Name	Conversion factor
Couture broadloom w/textile	0,45
Ex-dono Quartet broadloom w/textile	0,48
Ex-dono Quartet broadloom w/felt	0,38
Ex-dono Quartet broadloom w/foam	0,42
Zenith broadloom w/textile	0,42
Zenith broadloom w/felt	0,35
Zenith broadloom w/foam	0,37
Penta EcoTEX (broadloom)	0,35

Energy modelling principles

Foreground system:

The product is produced using specific renewable energy source with GO in production. Remaining energy processes is modelled using residual and grid mix.

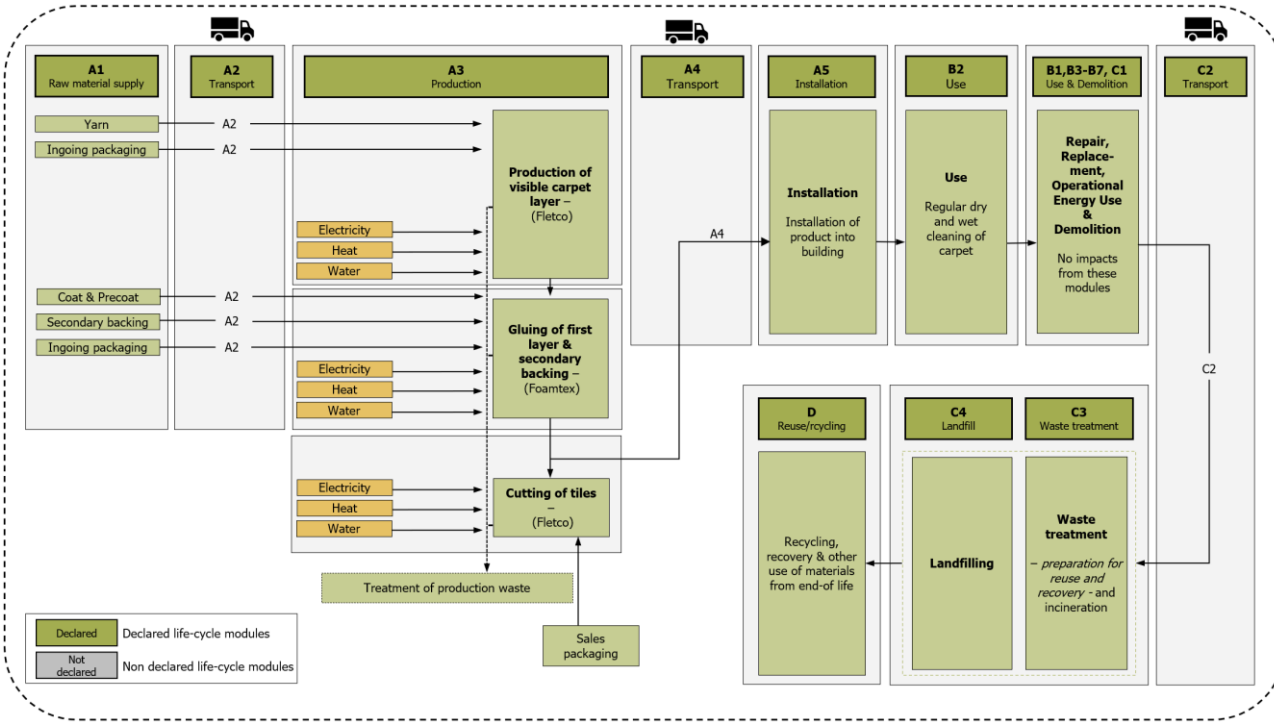
Information about the energy mix in the foreground system:

Energy mix	EF	Unit
Electricity from wind, DK	0,0101	kg CO2e/kWh
Thermal energy from natural gas, DK	0,0704	kg CO2e/MJ

Background system:

Upstream processes are modelled using grid mix. Downstream processes are modelled using grid mix.

Flow Diagram



This EPD is based on a Cradle-to-grave and module D-LCA, in which 100 weight-% has been accounted for.

The general rules for the exclusion of inputs and outputs follows the requirements in EN 15804, 6.3.5, where the total of neglected input flows per module shall be a maximum of 5 % of energy usage and mass and 1 % of energy usage and mass for unit processes. Energy and water consumption was either based on measurements or allocated equally for all products based on the area covered by the product.

Product stage (A1-A3) includes:

A1 – Extraction and processing of raw materials

A2 – Transport to the production site

A3 – Manufacturing processes

The product stage comprises the acquisition of all raw materials, products and energy, transport to the production site, packaging and waste processing up to the "end-of-waste" state or final disposal. The LCA results are declared in aggregated form for the product stage, which means that the sub-modules A1, A2 and A3 are declared as one module A1-A3.

The carpet is comprised of pile material consisting of different yarns, a secondary backing consisting of recycled polyethylene terephthalate, a variety of filler materials, and auxiliary materials for the application of precoating and dyes to the carpet. The manufacture of the carpets is divided into three stages, first the carpet goes through a weaving or tufting process at Fletco Carpets in Bording, after which it is transported to Foamtex in Bording where a backing is attached and the carpet is dyed. The carpet is then sent back to Fletco Carpets and finally stored until shipping.

Construction process stage (A4-A5) includes:

The transport to the construction site will vary greatly, as the products are shipped to a wide array of locations, in many different countries, primarily in Europe. Hence, a static European distance to construction site of 1000 km is applied to all products covered in this EPD (A4).

The carpets are manually installed into buildings, requiring no machinery or inputs such as electricity or water. For the installation it is known that a certain amount will end up as construction waste, but the amount will vary based on factors such as the size and shape of the carpet installation (A5).

A flat amount of waste is assumed for all products equal to 5%, which is added to the output from the production, so the finished installed carpet – after waste flows are subtracted – is still equal to one m^2.

It is necessary to use an adhesive for the installation of the carpet. In this process, a waste percentage of 2% is applied. Fletco Carpets recommends the use of at least 150 g/m^2 adhesive.

Use stage (B1-B7) includes:

There are no impacts associated with modules B1, B3 – B7. Therefore, the impacts of these modules are set to 0.

The only activity taking place during the use phase is cleaning. Once the carpet is installed the use stage begins, where the carpets require continuous cleaning throughout their service lives. The cleaning is done in two types: vacuum cleaning (frequent) and wet cleaning (infrequent) (B2).

According to the manufacturer's maintenance manual cleaning should be undertaken on a daily basis in highly trafficked areas, while in less trafficked areas a weekly cleaning routine may suffice. An average scenario was assumed, which means the carpets are vacuum cleaned every second day and therewith 183 times pr year. Wet cleaning should be done 1 – 4 times a year where again an average scenario of 2 times/year was selected. It is assumed that Carpets are cleaned using the "Hot Carbonating Extraction" method according to the manufacturer's maintenance manual.

End of Life (C1-C4) includes:
Once the carpet reaches the end of its life, it is removed. Tiles are removed manually without the need for machinery or auxiliary materials. There

are as such no relevant processes during the demolition stage and therefore there are no impacts associated with module C1.

For transportation of the carpet to its end-of life treatment a transportation distance of 50 km is assumed (C2). As most of Fletco Carpets' products are sold in Europe , a European waste scenario based on current waste statistics was used for modelling. Hence, it was assumed that 37% carpet waste was incinerated (C3) and the remaining fraction (63%) was landfilled (C4).

Re-use, recovery and recycling potential (D) includes:

As no recycling was assumed for the end-of life treatment. Hence, no material is credited in D, only electricity and thermal energy from the incineration replacing electricity and thermal energy from the grid. As a European waste treatment scenario was chosen, the following processes for electricity and thermal energy were credited.

LCA results

Table 1 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER m2 OF Couture Broadloom Textile												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	1,51E+01	2,36E-01	2,02E+00	0,00E+00	1,35E-01	0,00E+00	0,00E+00	1,41E-02	1,70E+00	1,49E+00	-6,39E-01
GWP-fossil	[kg CO_2 eq.]	1,51E+01	2,33E-01	1,89E+00	0,00E+00	1,33E-01	0,00E+00	0,00E+00	1,40E-02	4,64E-01	1,50E-01	-6,34E-01
GWP-biogenic	[kg CO_2 eq.]	2,76E-02	4,35E-04	1,28E-01	0,00E+00	1,40E-03	0,00E+00	0,00E+00	2,41E-05	1,23E+00	1,34E+00	-4,41E-03
GWP-luluc	[kg CO_2 eq.]	9,49E-03	2,43E-03	1,29E-03	0,00E+00	4,38E-04	0,00E+00	0,00E+00	1,22E-04	0,00E+00	1,02E-04	-8,10E-04
ODP	[kg CFC 11 eq.]	3,00E-08	3,94E-14	3,10E-09	0,00E+00	3,02E-12	0,00E+00	0,00E+00	2,19E-15	2,57E-09	1,63E-13	-4,73E-12
AP	[mol H^+ eq.]	3,45E-02	4,23E-04	4,34E-03	0,00E+00	2,91E-04	0,00E+00	0,00E+00	6,37E-05	1,48E-03	4,10E-04	-1,35E-03
EP-freshwater	[kg P eq.]	3,97E-04	6,37E-07	4,48E-05	0,00E+00	3,34E-07	0,00E+00	0,00E+00	3,24E-08	1,47E-08	1,54E-05	-1,55E-06
EP-marine	[kg N eq.]	1,15E-02	1,74E-04	1,41E-03	0,00E+00	6,99E-05	0,00E+00	0,00E+00	2,66E-05	6,52E-04	8,07E-04	-3,80E-04
EP-terrestrial	[mol N eq.]	1,18E-01	1,86E-03	1,44E-02	0,00E+00	7,81E-04	0,00E+00	0,00E+00	2,89E-04	7,45E-03	1,50E-03	-4,35E-03
POCP	[kg NMVOC eq.]	4,01E-02	3,93E-04	4,74E-03	0,00E+00	1,73E-04	0,00E+00	0,00E+00	6,89E-05	1,68E-03	8,85E-04	-9,18E-04
ADPm[1]	[kg Sb eq.]	1,54E-05	1,58E-08	1,62E-06	0,00E+00	2,76E-08	0,00E+00	0,00E+00	8,46E-10	-5,64E-07	3,44E-09	-5,78E-08
ADPf[1]	[MJ]	2,67E+02	3,05E+00	3,23E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	1,80E-01	8,13E-01	1,17E+00	-8,84E+00
WDP[1]	[m^3 world eq. deprived]	2,15E+00	1,08E-03	2,35E-01	0,00E+00	3,33E-02	0,00E+00	0,00E+00	5,85E-05	2,04E-01	6,02E-03	-8,82E-02
Caption	GWP-total = Globale Warming Potential - total; 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 = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water depletion potential											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.											

Table 2 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER m2 OF Couture Broadloom Textile												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	2,70E-07	4,61E-09	3,41E-08	0,00E+00	2,40E-09	0,00E+00	0,00E+00	1,36E-09	4,20E-09	3,95E-09	-1,09E-08
IRP[2]	[kBq U235 eq.]	6,58E-01	8,24E-04	6,63E-02	0,00E+00	7,05E-02	0,00E+00	0,00E+00	4,56E-05	6,37E-04	2,16E-03	-1,10E-01
ETP-fw[1]	[CTUe]	1,27E+02	3,95E+00	2,13E+01	0,00E+00	4,59E-01	0,00E+00	0,00E+00	2,17E-01	1,16E-01	2,81E+00	-1,65E+00
HTP-c[1]	[CTUh]	1,93E-08	5,33E-11	2,13E-09	0,00E+00	4,33E-11	0,00E+00	0,00E+00	2,97E-12	4,30E-11	2,46E-11	-1,33E-10
HTP-nc[1]	[CTUh]	2,38E-07	2,97E-09	7,35E-09	0,00E+00	9,30E-10	0,00E+00	0,00E+00	1,54E-10	4,28E-09	2,11E-09	-5,01E-09
SQP[1]	-	1,63E+01	1,34E+00	2,47E-02	0,00E+00	1,08E+00	0,00E+00	0,00E+00	6,69E-02	0,00E+00	1,05E-01	-1,21E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.											
	[2] 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.											

Table 3 - Parameters describing resource use

RESOURCE USE PER m2 OF Couture Broadloom Textile												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	2,36E+01	2,28E-01	3,12E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,15E-02	8,71E-04	1,28E-01	-6,43E+00
PERM	[MJ]	0,00E+00	0,00E+00	8,95E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	[MJ]	2,36E+01	2,28E-01	3,21E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,15E-02	8,71E-04	1,28E-01	-6,43E+00
PENRE	[MJ]	2,09E+02	3,05E+00	2,63E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	1,80E-01	4,68E+01	1,17E+00	-8,84E+00
PENRM	[MJ]	5,84E+01	0,00E+00	6,01E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-4,60E+01	0,00E+00	0,00E+00
PENRT	[MJ]	2,67E+02	3,05E+00	3,23E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	1,80E-01	8,13E-01	1,17E+00	-8,84E+00
SM	[kg]	9,00E-02	0,00E+00	9,00E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[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
NRSF	[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
FW	[m^3]	5,67E-02	1,13E-04	7,97E-03	0,00E+00	1,44E-03	0,00E+00	0,00E+00	5,81E-06	4,75E-03	1,76E-04	-3,36E-03
Caption	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 resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 4 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER m2 OF Couture Broadloom Textile												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	2,03E-01	1,22E-10	2,03E-02	0,00E+00	3,54E-09	0,00E+00	0,00E+00	7,05E-12	0,00E+00	1,89E-10	-5,59E-09
NHWD	[kg]	1,28E-01	4,24E-04	7,96E-02	0,00E+00	2,17E-03	0,00E+00	0,00E+00	2,34E-05	0,00E+00	8,26E-01	-2,08E-02
RWD	[kg]	3,54E-03	5,74E-06	4,59E-04	0,00E+00	4,27E-04	0,00E+00	0,00E+00	3,19E-07	4,01E-05	1,46E-05	-6,66E-04
CRU	[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
MFR	[kg]	2,25E-02	0,00E+00	2,25E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[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
EEE	[MJ]	1,04E-01	0,00E+00	3,14E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,03E+00	0,00E+00	0,00E+00
EET	[MJ]	1,71E-01	0,00E+00	6,52E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	6,02E+00	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 5 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER m2 OF Couture Broadloom Textile		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	[kg C]	0,00E+00
Biogenic carbon content in accompanying packaging	[kg C]	0,00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO_2	

Table 6 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER m2 OF Ex-dono Quartet Broadloom Textile												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	1,11E+01	2,33E-01	1,62E+00	0,00E+00	1,35E-01	0,00E+00	0,00E+00	1,39E-02	1,68E+00	1,47E+00	-6,32E-01
GWP-fossil	[kg CO_2 eq.]	1,11E+01	2,30E-01	1,49E+00	0,00E+00	1,33E-01	0,00E+00	0,00E+00	1,38E-02	4,58E-01	1,48E-01	-6,27E-01
GWP-biogenic	[kg CO_2 eq.]	-1,47E-02	4,29E-04	1,23E-01	0,00E+00	1,40E-03	0,00E+00	0,00E+00	2,37E-05	1,22E+00	1,32E+00	-4,36E-03
GWP-luluc	[kg CO_2 eq.]	1,37E-02	2,40E-03	1,71E-03	0,00E+00	4,38E-04	0,00E+00	0,00E+00	1,20E-04	0,00E+00	1,00E-04	-8,01E-04
ODP	[kg CFC 11 eq.]	4,57E-08	3,89E-14	4,67E-09	0,00E+00	3,02E-12	0,00E+00	0,00E+00	2,16E-15	2,54E-09	1,61E-13	-4,68E-12
AP	[mol H^+ eq.]	2,88E-02	4,18E-04	3,78E-03	0,00E+00	2,91E-04	0,00E+00	0,00E+00	6,28E-05	1,46E-03	4,05E-04	-1,34E-03
EP-freshwater	[kg P eq.]	6,08E-04	6,29E-07	6,59E-05	0,00E+00	3,34E-07	0,00E+00	0,00E+00	3,20E-08	1,45E-08	1,52E-05	-1,53E-06
EP-marine	[kg N eq.]	8,30E-03	1,72E-04	1,09E-03	0,00E+00	6,99E-05	0,00E+00	0,00E+00	2,63E-05	6,44E-04	7,97E-04	-3,76E-04
EP-terrestrial	[mol N eq.]	8,52E-02	1,84E-03	1,11E-02	0,00E+00	7,81E-04	0,00E+00	0,00E+00	2,86E-04	7,35E-03	1,48E-03	-4,30E-03
POCP	[kg NMVOC eq.]	3,00E-02	3,88E-04	3,73E-03	0,00E+00	1,73E-04	0,00E+00	0,00E+00	6,80E-05	1,66E-03	8,74E-04	-9,07E-04
ADPm[1]	[kg Sb eq.]	2,23E-05	1,56E-08	2,31E-06	0,00E+00	2,76E-08	0,00E+00	0,00E+00	8,35E-10	-5,56E-07	3,40E-09	-5,71E-08
ADPf[1]	[MJ]	1,98E+02	3,01E+00	2,53E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	1,77E-01	8,03E-01	1,16E+00	-8,73E+00
WDP[1]	[m^3 world eq. deprived]	1,84E+00	1,07E-03	2,04E-01	0,00E+00	3,33E-02	0,00E+00	0,00E+00	5,77E-05	2,02E-01	5,95E-03	-8,72E-02
Caption	GWP-total = Globale Warming Potential - total; 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 = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water depletion potential											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.										
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.											

Table 7 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER m2 OF Ex-dono Quartet Broadloom Textile												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	2,74E-07	4,55E-09	3,45E-08	0,00E+00	2,40E-09	0,00E+00	0,00E+00	1,34E-09	4,15E-09	3,90E-09	-1,07E-08
IRP[2]	[kBq U235 eq.]	4,73E-01	8,14E-04	4,78E-02	0,00E+00	7,05E-02	0,00E+00	0,00E+00	4,50E-05	6,29E-04	2,13E-03	-1,08E-01
ETP-fw[1]	[CTUe]	9,20E+01	3,90E+00	1,78E+01	0,00E+00	4,59E-01	0,00E+00	0,00E+00	2,15E-01	1,15E-01	2,78E+00	-1,63E+00
HTP-c[1]	[CTUh]	2,66E-08	5,27E-11	2,85E-09	0,00E+00	4,33E-11	0,00E+00	0,00E+00	2,93E-12	4,24E-11	2,42E-11	-1,31E-10
HTP-nc[1]	[CTUh]	3,22E-07	2,93E-09	7,35E-09	0,00E+00	9,30E-10	0,00E+00	0,00E+00	1,52E-10	4,22E-09	2,09E-09	-4,95E-09
SQP[1]	-	1,70E+01	1,32E+00	2,46E-02	0,00E+00	1,08E+00	0,00E+00	0,00E+00	6,61E-02	0,00E+00	1,03E-01	-1,20E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.											
	[2] 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.											

Table 8 - Parameters describing resource use

RESOURCE USE PER m2 OF Ex-dono Quartet Broadloom Textile												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	1,82E+01	2,25E-01	2,58E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,14E-02	8,60E-04	1,26E-01	-6,36E+00
PERM	[MJ]	0,00E+00	0,00E+00	8,95E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	[MJ]	1,82E+01	2,25E-01	2,67E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,14E-02	8,60E-04	1,26E-01	-6,36E+00
PENRE	[MJ]	1,56E+02	3,01E+00	2,10E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	1,77E-01	3,13E+01	1,16E+00	-8,73E+00
PENRM	[MJ]	4,12E+01	0,00E+00	4,30E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,05E+01	0,00E+00	0,00E+00
PENRT	[MJ]	1,98E+02	3,01E+00	2,53E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	1,77E-01	8,03E-01	1,16E+00	-8,73E+00
SM	[kg]	9,00E-02	0,00E+00	9,00E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[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
NRSF	[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
FW	[m^3]	4,69E-02	1,11E-04	7,00E-03	0,00E+00	1,44E-03	0,00E+00	0,00E+00	5,73E-06	4,69E-03	1,74E-04	-3,32E-03
Caption	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 resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 9 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER m2 OF Ex-dono Quartet Broadloom Textile												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	3,61E-01	1,21E-10	3,61E-02	0,00E+00	3,54E-09	0,00E+00	0,00E+00	6,96E-12	0,00E+00	1,87E-10	-5,53E-09
NHWD	[kg]	1,01E-01	4,19E-04	7,62E-02	0,00E+00	2,17E-03	0,00E+00	0,00E+00	2,31E-05	0,00E+00	8,15E-01	-2,05E-02
RWD	[kg]	2,16E-03	5,67E-06	3,21E-04	0,00E+00	4,27E-04	0,00E+00	0,00E+00	3,15E-07	3,96E-05	1,44E-05	-6,58E-04
CRU	[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
MFR	[kg]	2,25E-02	0,00E+00	2,25E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[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
EEE	[MJ]	1,04E-01	0,00E+00	3,13E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,00E+00	0,00E+00	0,00E+00
EET	[MJ]	1,71E-01	0,00E+00	6,49E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	5,95E+00	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 10 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER m2 OF Ex-dono Quartet Broadloom Textile		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	[kg C]	0,00E+00
Biogenic carbon content in accompanying packaging	[kg C]	0,00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO_2	

Table 11 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER m2 OF Ex-dono Quartet Broadloom Felt												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	1,16E+01	2,74E-01	1,70E+00	0,00E+00	1,35E-01	0,00E+00	0,00E+00	1,64E-02	1,97E+00	1,73E+00	-7,36E-01
GWP-fossil	[kg CO_2 eq.]	1,16E+01	2,71E-01	1,55E+00	0,00E+00	1,33E-01	0,00E+00	0,00E+00	1,62E-02	5,39E-01	1,74E-01	-7,30E-01
GWP-biogenic	[kg CO_2 eq.]	-9,77E-03	5,05E-04	1,46E-01	0,00E+00	1,40E-03	0,00E+00	0,00E+00	2,80E-05	1,44E+00	1,56E+00	-5,07E-03
GWP-luluc	[kg CO_2 eq.]	1,48E-02	2,82E-03	1,86E-03	0,00E+00	4,38E-04	0,00E+00	0,00E+00	1,41E-04	0,00E+00	1,18E-04	-9,30E-04
ODP	[kg CFC 11 eq.]	4,57E-08	4,58E-14	4,68E-09	0,00E+00	3,02E-12	0,00E+00	0,00E+00	2,54E-15	2,99E-09	1,89E-13	-5,43E-12
AP	[mol H^+ eq.]	2,97E-02	4,92E-04	3,89E-03	0,00E+00	2,91E-04	0,00E+00	0,00E+00	7,40E-05	1,72E-03	4,77E-04	-1,56E-03
EP-freshwater	[kg P eq.]	6,14E-04	7,40E-07	6,67E-05	0,00E+00	3,34E-07	0,00E+00	0,00E+00	3,77E-08	1,70E-08	1,79E-05	-1,78E-06
EP-marine	[kg N eq.]	8,58E-03	2,03E-04	1,13E-03	0,00E+00	6,99E-05	0,00E+00	0,00E+00	3,10E-05	7,59E-04	9,38E-04	-4,38E-04
EP-terrestrial	[mol N eq.]	8,81E-02	2,16E-03	1,15E-02	0,00E+00	7,81E-04	0,00E+00	0,00E+00	3,37E-04	8,66E-03	1,74E-03	-5,01E-03
POCP	[kg NMVOC eq.]	3,21E-02	4,57E-04	3,97E-03	0,00E+00	1,73E-04	0,00E+00	0,00E+00	8,01E-05	1,95E-03	1,03E-03	-1,06E-03
ADPm[1]	[kg Sb eq.]	2,24E-05	1,83E-08	2,32E-06	0,00E+00	2,76E-08	0,00E+00	0,00E+00	9,83E-10	-6,55E-07	4,00E-09	-6,63E-08
ADPf[1]	[MJ]	2,05E+02	3,55E+00	2,61E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,09E-01	9,46E-01	1,36E+00	-1,02E+01
WDP[1]	[m^3 world eq. deprived]	1,82E+00	1,26E-03	2,04E-01	0,00E+00	3,33E-02	0,00E+00	0,00E+00	6,80E-05	2,37E-01	7,00E-03	-1,01E-01
Caption	GWP-total = Globale Warming Potential - total; 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 = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water depletion potential											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.										
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.										

Table 12 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER m2 OF Ex-dono Quartet Broadloom Felt												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	2,89E-07	5,36E-09	3,61E-08	0,00E+00	2,40E-09	0,00E+00	0,00E+00	1,58E-09	4,89E-09	4,59E-09	-1,25E-08
IRP[2]	[kBq U235 eq.]	4,48E-01	9,58E-04	4,53E-02	0,00E+00	7,05E-02	0,00E+00	0,00E+00	5,30E-05	7,41E-04	2,51E-03	-1,26E-01
ETP-fw[1]	[CTUe]	9,64E+01	4,60E+00	1,84E+01	0,00E+00	4,59E-01	0,00E+00	0,00E+00	2,53E-01	1,35E-01	3,27E+00	-1,90E+00
HTP-c[1]	[CTUh]	2,85E-08	6,20E-11	3,05E-09	0,00E+00	4,33E-11	0,00E+00	0,00E+00	3,45E-12	5,00E-11	2,86E-11	-1,52E-10
HTP-nc[1]	[CTUh]	5,43E-07	3,45E-09	7,40E-09	0,00E+00	9,30E-10	0,00E+00	0,00E+00	1,79E-10	4,97E-09	2,46E-09	-5,77E-09
SQP[1]	-	1,68E+01	1,55E+00	2,63E-02	0,00E+00	1,08E+00	0,00E+00	0,00E+00	7,78E-02	0,00E+00	1,22E-01	-1,39E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.											
	[2] 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.											

Table 13 - Parameters describing resource use

RESOURCE USE PER m2 OF Ex-dono Quartet Broadloom Felt												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	2,04E+01	2,65E-01	2,81E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,34E-02	1,23E+00	1,49E-01	-7,40E+00
PERM	[MJ]	1,23E+00	0,00E+00	2,12E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,23E+00	0,00E+00	0,00E+00
PERT	[MJ]	2,17E+01	2,65E-01	3,02E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,34E-02	1,01E-03	1,49E-01	-7,40E+00
PENRE	[MJ]	1,54E+02	3,55E+00	2,08E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,09E-01	4,30E+01	1,36E+00	-1,02E+01
PENRM	[MJ]	5,04E+01	0,00E+00	5,22E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-4,20E+01	0,00E+00	0,00E+00
PENRT	[MJ]	2,05E+02	3,55E+00	2,61E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,09E-01	9,46E-01	1,36E+00	-1,02E+01
SM	[kg]	5,25E-01	0,00E+00	5,25E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[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
NRSF	[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
FW	[m^3]	4,43E-02	1,31E-04	6,77E-03	0,00E+00	1,44E-03	0,00E+00	0,00E+00	6,75E-06	5,53E-03	2,05E-04	-3,86E-03
Caption	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 resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 14 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER m2 OF Ex-dono Quartet Broadloom Felt												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	3,61E-01	1,42E-10	3,61E-02	0,00E+00	3,54E-09	0,00E+00	0,00E+00	8,20E-12	0,00E+00	2,20E-10	-6,42E-09
NHWD	[kg]	1,77E-01	4,94E-04	9,29E-02	0,00E+00	2,17E-03	0,00E+00	0,00E+00	2,72E-05	0,00E+00	9,60E-01	-2,39E-02
RWD	[kg]	2,70E-03	6,68E-06	3,76E-04	0,00E+00	4,27E-04	0,00E+00	0,00E+00	3,71E-07	4,66E-05	1,70E-05	-7,63E-04
CRU	[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
MFR	[kg]	2,39E-02	0,00E+00	2,39E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[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
EEE	[MJ]	1,04E-01	0,00E+00	3,26E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,36E+00	0,00E+00	0,00E+00
EET	[MJ]	1,71E-01	0,00E+00	6,88E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	7,01E+00	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 15 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER m2 OF Ex-dono Quartet Broadloom Felt		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	[kg C]	0,00E+00
Biogenic carbon content in accompanying packaging	[kg C]	0,00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO_2	

Table 16 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER m2 OF Ex-dono Quartet Broadloom Foam												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	1,05E+01	2,52E-01	1,58E+00	0,00E+00	1,35E-01	0,00E+00	0,00E+00	1,51E-02	1,81E+00	1,59E+00	-6,80E-01
GWP-fossil	[kg CO_2 eq.]	1,05E+01	2,49E-01	1,44E+00	0,00E+00	1,33E-01	0,00E+00	0,00E+00	1,49E-02	4,96E-01	1,60E-01	-6,74E-01
GWP-biogenic	[kg CO_2 eq.]	2,56E-02	4,64E-04	1,37E-01	0,00E+00	1,40E-03	0,00E+00	0,00E+00	2,57E-05	1,32E+00	1,43E+00	-4,69E-03
GWP-luluc	[kg CO_2 eq.]	8,70E-03	2,60E-03	1,22E-03	0,00E+00	4,38E-04	0,00E+00	0,00E+00	1,30E-04	0,00E+00	1,09E-04	-8,61E-04
ODP	[kg CFC 11 eq.]	9,08E-09	4,21E-14	1,01E-09	0,00E+00	3,02E-12	0,00E+00	0,00E+00	2,34E-15	2,75E-09	1,74E-13	-5,03E-12
AP	[mol H^+ eq.]	2,19E-02	4,52E-04	3,09E-03	0,00E+00	2,91E-04	0,00E+00	0,00E+00	6,80E-05	1,58E-03	4,39E-04	-1,44E-03
EP-freshwater	[kg P eq.]	2,31E-04	6,81E-07	2,83E-05	0,00E+00	3,34E-07	0,00E+00	0,00E+00	3,47E-08	1,57E-08	1,65E-05	-1,64E-06
EP-marine	[kg N eq.]	7,17E-03	1,86E-04	9,82E-04	0,00E+00	6,99E-05	0,00E+00	0,00E+00	2,85E-05	6,97E-04	8,62E-04	-4,05E-04
EP-terrestrial	[mol N eq.]	7,58E-02	1,99E-03	1,02E-02	0,00E+00	7,81E-04	0,00E+00	0,00E+00	3,09E-04	7,96E-03	1,60E-03	-4,63E-03
POCP	[kg NMVOC eq.]	2,47E-02	4,20E-04	3,21E-03	0,00E+00	1,73E-04	0,00E+00	0,00E+00	7,36E-05	1,79E-03	9,46E-04	-9,76E-04
ADPm[1]	[kg Sb eq.]	2,31E-06	1,68E-08	3,10E-07	0,00E+00	2,76E-08	0,00E+00	0,00E+00	9,04E-10	-6,02E-07	3,68E-09	-6,14E-08
ADPf[1]	[MJ]	1,92E+02	3,26E+00	2,48E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	1,92E-01	8,69E-01	1,25E+00	-9,40E+00
WDP[1]	[m^3 world eq. deprived]	1,13E+00	1,16E-03	1,34E-01	0,00E+00	3,33E-02	0,00E+00	0,00E+00	6,25E-05	2,18E-01	6,44E-03	-9,38E-02
Caption	GWP-total = Globale Warming Potential - total; 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 = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water depletion potential											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.										
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.											

Table 17 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER m2 OF Ex-dono Quartet Broadloom Foam												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	1,96E-07	4,92E-09	2,67E-08	0,00E+00	2,40E-09	0,00E+00	0,00E+00	1,45E-09	4,49E-09	4,22E-09	-1,15E-08
IRP[2]	[kBq U235 eq.]	3,98E-01	8,81E-04	4,04E-02	0,00E+00	7,05E-02	0,00E+00	0,00E+00	4,87E-05	6,81E-04	2,31E-03	-1,17E-01
ETP-fw[1]	[CTUe]	9,36E+01	4,22E+00	1,80E+01	0,00E+00	4,59E-01	0,00E+00	0,00E+00	2,32E-01	1,24E-01	3,01E+00	-1,76E+00
HTP-c[1]	[CTUh]	4,43E-09	5,70E-11	6,36E-10	0,00E+00	4,33E-11	0,00E+00	0,00E+00	3,17E-12	4,59E-11	2,62E-11	-1,41E-10
HTP-nc[1]	[CTUh]	4,70E-08	3,17E-09	7,38E-09	0,00E+00	9,30E-10	0,00E+00	0,00E+00	1,64E-10	4,57E-09	2,26E-09	-5,33E-09
SQP[1]	-	1,25E+01	1,43E+00	2,54E-02	0,00E+00	1,08E+00	0,00E+00	0,00E+00	7,15E-02	0,00E+00	1,12E-01	-1,29E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.											
	[2] 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.											

Table 18 - Parameters describing resource use

RESOURCE USE PER m2 OF Ex-dono Quartet Broadloom Foam												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	1,75E+01	2,44E-01	2,51E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,23E-02	9,31E-04	1,37E-01	-6,84E+00
PERM	[MJ]	0,00E+00	0,00E+00	8,95E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	[MJ]	1,75E+01	2,44E-01	2,60E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,23E-02	9,31E-04	1,37E-01	-6,84E+00
PENRE	[MJ]	1,40E+02	3,26E+00	1,94E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	1,92E-01	4,13E+01	1,25E+00	-9,40E+00
PENRM	[MJ]	5,24E+01	0,00E+00	5,42E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-4,05E+01	0,00E+00	0,00E+00
PENRT	[MJ]	1,92E+02	3,26E+00	2,48E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	1,92E-01	8,69E-01	1,25E+00	-9,40E+00
SM	[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
RSF	[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
NRSF	[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
FW	[m^3]	3,23E-02	1,21E-04	5,55E-03	0,00E+00	1,44E-03	0,00E+00	0,00E+00	6,21E-06	5,08E-03	1,88E-04	-3,57E-03
Caption	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 resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 19 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER m2 OF Ex-dono Quartet Broadloom Foam												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	3,35E-01	1,31E-10	3,35E-02	0,00E+00	3,54E-09	0,00E+00	0,00E+00	7,54E-12	0,00E+00	2,02E-10	-5,94E-09
NHWD	[kg]	1,08E-01	4,54E-04	8,12E-02	0,00E+00	2,17E-03	0,00E+00	0,00E+00	2,50E-05	0,00E+00	8,82E-01	-2,21E-02
RWD	[kg]	2,22E-03	6,14E-06	3,27E-04	0,00E+00	4,27E-04	0,00E+00	0,00E+00	3,41E-07	4,28E-05	1,56E-05	-7,07E-04
CRU	[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
MFR	[kg]	2,25E-02	0,00E+00	2,25E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[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
EEE	[MJ]	1,04E-01	0,00E+00	3,19E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,17E+00	0,00E+00	0,00E+00
EET	[MJ]	1,71E-01	0,00E+00	6,67E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	6,44E+00	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 20 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER m2 OF Ex-dono Quartet Broadloom Foam		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	[kg C]	0,00E+00
Biogenic carbon content in accompanying packaging	[kg C]	0,00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO_2	

Table 21 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER m2 OF Zenith Broadloom Textile												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	1,43E+01	2,66E-01	1,97E+00	0,00E+00	1,35E-01	0,00E+00	0,00E+00	1,59E-02	1,92E+00	1,68E+00	-7,16E-01
GWP-fossil	[kg CO_2 eq.]	1,43E+01	2,63E-01	1,82E+00	0,00E+00	1,33E-01	0,00E+00	0,00E+00	1,57E-02	5,24E-01	1,69E-01	-7,10E-01
GWP-biogenic	[kg CO_2 eq.]	8,04E-04	4,90E-04	1,42E-01	0,00E+00	1,40E-03	0,00E+00	0,00E+00	2,71E-05	1,39E+00	1,51E+00	-4,94E-03
GWP-luluc	[kg CO_2 eq.]	1,33E-02	2,74E-03	1,70E-03	0,00E+00	4,38E-04	0,00E+00	0,00E+00	1,37E-04	0,00E+00	1,15E-04	-9,05E-04
ODP	[kg CFC 11 eq.]	4,54E-08	4,45E-14	4,65E-09	0,00E+00	3,02E-12	0,00E+00	0,00E+00	2,47E-15	2,91E-09	1,84E-13	-5,28E-12
AP	[mol H^+ eq.]	3,54E-02	4,78E-04	4,45E-03	0,00E+00	2,91E-04	0,00E+00	0,00E+00	7,18E-05	1,67E-03	4,63E-04	-1,51E-03
EP-freshwater	[kg P eq.]	5,99E-04	7,19E-07	6,52E-05	0,00E+00	3,34E-07	0,00E+00	0,00E+00	3,66E-08	1,65E-08	1,74E-05	-1,73E-06
EP-marine	[kg N eq.]	1,09E-02	1,97E-04	1,36E-03	0,00E+00	6,99E-05	0,00E+00	0,00E+00	3,01E-05	7,36E-04	9,11E-04	-4,26E-04
EP-terrestrial	[mol N eq.]	1,12E-01	2,10E-03	1,38E-02	0,00E+00	7,81E-04	0,00E+00	0,00E+00	3,27E-04	8,40E-03	1,69E-03	-4,87E-03
POCP	[kg NMVOC eq.]	3,89E-02	4,44E-04	4,64E-03	0,00E+00	1,73E-04	0,00E+00	0,00E+00	7,78E-05	1,89E-03	9,99E-04	-1,03E-03
ADPm[1]	[kg Sb eq.]	2,25E-05	1,78E-08	2,33E-06	0,00E+00	2,76E-08	0,00E+00	0,00E+00	9,54E-10	-6,36E-07	3,88E-09	-6,45E-08
ADPf[1]	[MJ]	2,55E+02	3,44E+00	3,10E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,03E-01	9,18E-01	1,32E+00	-9,89E+00
WDP[1]	[m^3 world eq. deprived]	2,25E+00	1,22E-03	2,47E-01	0,00E+00	3,33E-02	0,00E+00	0,00E+00	6,60E-05	2,30E-01	6,80E-03	-9,86E-02
Caption	GWP-total = Globale Warming Potential - total; 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 = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water depletion potential											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.										
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.											

Table 22 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER m2 OF Zenith Broadloom Textile												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	3,08E-07	5,20E-09	3,80E-08	0,00E+00	2,40E-09	0,00E+00	0,00E+00	1,53E-09	4,74E-09	4,46E-09	-1,21E-08
IRP[2]	[kBq U235 eq.]	6,24E-01	9,30E-04	6,29E-02	0,00E+00	7,05E-02	0,00E+00	0,00E+00	5,15E-05	7,19E-04	2,44E-03	-1,22E-01
ETP-fw[1]	[CTUe]	1,20E+02	4,46E+00	2,07E+01	0,00E+00	4,59E-01	0,00E+00	0,00E+00	2,45E-01	1,31E-01	3,18E+00	-1,85E+00
HTP-c[1]	[CTUh]	2,73E-08	6,02E-11	2,92E-09	0,00E+00	4,33E-11	0,00E+00	0,00E+00	3,35E-12	4,85E-11	2,77E-11	-1,48E-10
HTP-nc[1]	[CTUh]	3,32E-07	3,35E-09	7,39E-09	0,00E+00	9,30E-10	0,00E+00	0,00E+00	1,73E-10	4,83E-09	2,39E-09	-5,61E-09
SQP[1]	-	1,87E+01	1,51E+00	2,60E-02	0,00E+00	1,08E+00	0,00E+00	0,00E+00	7,55E-02	0,00E+00	1,18E-01	-1,35E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.											
	[2] 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.											

Table 23 - Parameters describing resource use

RESOURCE USE PER m2 OF Zenith Broadloom Textile												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	2,23E+01	2,57E-01	2,99E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,30E-02	9,83E-04	1,44E-01	-7,20E+00
PERM	[MJ]	0,00E+00	0,00E+00	8,95E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	[MJ]	2,23E+01	2,57E-01	3,08E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,30E-02	9,83E-04	1,44E-01	-7,20E+00
PENRE	[MJ]	2,00E+02	3,44E+00	2,54E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,03E-01	4,17E+01	1,32E+00	-9,89E+00
PENRM	[MJ]	5,42E+01	0,00E+00	5,60E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-4,08E+01	0,00E+00	0,00E+00
PENRT	[MJ]	2,55E+02	3,44E+00	3,10E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,03E-01	9,18E-01	1,32E+00	-9,89E+00
SM	[kg]	9,00E-02	0,00E+00	9,00E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[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
NRSF	[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
FW	[m^3]	5,83E-02	1,27E-04	8,16E-03	0,00E+00	1,44E-03	0,00E+00	0,00E+00	6,55E-06	5,37E-03	1,99E-04	-3,75E-03
Caption	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 resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 24 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER m2 OF Zenith Broadloom Textile												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	3,33E-01	1,38E-10	3,33E-02	0,00E+00	3,54E-09	0,00E+00	0,00E+00	7,96E-12	0,00E+00	2,13E-10	-6,24E-09
NHWD	[kg]	1,21E-01	4,79E-04	8,56E-02	0,00E+00	2,17E-03	0,00E+00	0,00E+00	2,64E-05	0,00E+00	9,32E-01	-2,32E-02
RWD	[kg]	3,08E-03	6,48E-06	4,14E-04	0,00E+00	4,27E-04	0,00E+00	0,00E+00	3,60E-07	4,52E-05	1,65E-05	-7,43E-04
CRU	[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
MFR	[kg]	2,25E-02	0,00E+00	2,25E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[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
EEE	[MJ]	1,04E-01	0,00E+00	3,24E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,29E+00	0,00E+00	0,00E+00
EET	[MJ]	1,71E-01	0,00E+00	6,80E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	6,80E+00	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 25 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER m2 OF Zenith Broadloom Textile		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	[kg C]	0,00E+00
Biogenic carbon content in accompanying packaging	[kg C]	0,00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO_2	

Table 26 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER m2 OF Zenith Broadloom Felt												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	1,48E+01	3,08E-01	2,05E+00	0,00E+00	1,35E-01	0,00E+00	0,00E+00	1,84E-02	2,21E+00	1,94E+00	-8,20E-01
GWP-fossil	[kg CO_2 eq.]	1,48E+01	3,04E-01	1,88E+00	0,00E+00	1,33E-01	0,00E+00	0,00E+00	1,82E-02	6,05E-01	1,96E-01	-8,13E-01
GWP-biogenic	[kg CO_2 eq.]	5,75E-03	5,67E-04	1,66E-01	0,00E+00	1,40E-03	0,00E+00	0,00E+00	3,14E-05	1,61E+00	1,75E+00	-5,65E-03
GWP-luluc	[kg CO_2 eq.]	1,44E-02	3,17E-03	1,86E-03	0,00E+00	4,38E-04	0,00E+00	0,00E+00	1,59E-04	0,00E+00	1,32E-04	-1,03E-03
ODP	[kg CFC 11 eq.]	4,54E-08	5,14E-14	4,66E-09	0,00E+00	3,02E-12	0,00E+00	0,00E+00	2,85E-15	3,36E-09	2,12E-13	-6,03E-12
AP	[mol H^+ eq.]	3,63E-02	5,52E-04	4,56E-03	0,00E+00	2,91E-04	0,00E+00	0,00E+00	8,30E-05	1,93E-03	5,35E-04	-1,73E-03
EP-freshwater	[kg P eq.]	6,06E-04	8,31E-07	6,60E-05	0,00E+00	3,34E-07	0,00E+00	0,00E+00	4,23E-08	1,91E-08	2,01E-05	-1,98E-06
EP-marine	[kg N eq.]	1,12E-02	2,27E-04	1,40E-03	0,00E+00	6,99E-05	0,00E+00	0,00E+00	3,47E-05	8,51E-04	1,05E-03	-4,88E-04
EP-terrestrial	[mol N eq.]	1,15E-01	2,43E-03	1,42E-02	0,00E+00	7,81E-04	0,00E+00	0,00E+00	3,78E-04	9,71E-03	1,95E-03	-5,58E-03
POCP	[kg NMVOC eq.]	4,10E-02	5,13E-04	4,89E-03	0,00E+00	1,73E-04	0,00E+00	0,00E+00	8,99E-05	2,19E-03	1,15E-03	-1,18E-03
ADPm[1]	[kg Sb eq.]	2,26E-05	2,05E-08	2,34E-06	0,00E+00	2,76E-08	0,00E+00	0,00E+00	1,10E-09	-7,35E-07	4,49E-09	-7,38E-08
ADPf[1]	[MJ]	2,62E+02	3,98E+00	3,18E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,34E-01	1,06E+00	1,53E+00	-1,13E+01
WDP[1]	[m^3 world eq. deprived]	2,24E+00	1,41E-03	2,47E-01	0,00E+00	3,33E-02	0,00E+00	0,00E+00	7,63E-05	2,66E-01	7,86E-03	-1,13E-01
Caption	GWP-total = Globale Warming Potential - total; 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 = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water depletion potential											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.										
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.										

Table 27 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER m2 OF Zenith Broadloom Felt												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	3,22E-07	6,01E-09	3,96E-08	0,00E+00	2,40E-09	0,00E+00	0,00E+00	1,77E-09	5,48E-09	5,15E-09	-1,39E-08
IRP[2]	[kBq U235 eq.]	5,99E-01	1,07E-03	6,05E-02	0,00E+00	7,05E-02	0,00E+00	0,00E+00	5,95E-05	8,31E-04	2,82E-03	-1,40E-01
ETP-fw[1]	[CTUe]	1,24E+02	5,16E+00	2,13E+01	0,00E+00	4,59E-01	0,00E+00	0,00E+00	2,83E-01	1,52E-01	3,67E+00	-2,12E+00
HTP-c[1]	[CTUh]	2,92E-08	6,96E-11	3,11E-09	0,00E+00	4,33E-11	0,00E+00	0,00E+00	3,87E-12	5,60E-11	3,20E-11	-1,70E-10
HTP-nc[1]	[CTUh]	5,53E-07	3,87E-09	7,45E-09	0,00E+00	9,30E-10	0,00E+00	0,00E+00	2,00E-10	5,58E-09	2,76E-09	-6,43E-09
SQP[1]	-	1,85E+01	1,74E+00	2,77E-02	0,00E+00	1,08E+00	0,00E+00	0,00E+00	8,73E-02	0,00E+00	1,37E-01	-1,55E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.											
	[2] 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.											

Table 28 - Parameters describing resource use

RESOURCE USE PER m2 OF Zenith Broadloom Felt												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	2,45E+01	2,97E-01	3,22E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,50E-02	1,23E+00	1,67E-01	-8,24E+00
PERM	[MJ]	1,23E+00	0,00E+00	2,12E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,23E+00	0,00E+00	0,00E+00
PERT	[MJ]	2,57E+01	2,97E-01	3,43E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,50E-02	1,14E-03	1,67E-01	-8,24E+00
PENRE	[MJ]	1,98E+02	3,98E+00	2,53E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,34E-01	5,33E+01	1,53E+00	-1,13E+01
PENRM	[MJ]	6,35E+01	0,00E+00	6,52E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-5,23E+01	0,00E+00	0,00E+00
PENRT	[MJ]	2,62E+02	3,98E+00	3,18E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,34E-01	1,06E+00	1,53E+00	-1,13E+01
SM	[kg]	5,25E-01	0,00E+00	5,25E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[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
NRSF	[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
FW	[m^3]	5,56E-02	1,47E-04	7,93E-03	0,00E+00	1,44E-03	0,00E+00	0,00E+00	7,57E-06	6,20E-03	2,30E-04	-4,29E-03
Caption	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 resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 29 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER m2 OF Zenith Broadloom Felt												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	3,33E-01	1,60E-10	3,33E-02	0,00E+00	3,54E-09	0,00E+00	0,00E+00	9,20E-12	0,00E+00	2,46E-10	-7,13E-09
NHWD	[kg]	1,97E-01	5,54E-04	1,02E-01	0,00E+00	2,17E-03	0,00E+00	0,00E+00	3,05E-05	0,00E+00	1,08E+00	-2,66E-02
RWD	[kg]	3,63E-03	7,49E-06	4,69E-04	0,00E+00	4,27E-04	0,00E+00	0,00E+00	4,16E-07	5,23E-05	1,91E-05	-8,48E-04
CRU	[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
MFR	[kg]	2,39E-02	0,00E+00	2,39E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[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
EEE	[MJ]	1,04E-01	0,00E+00	3,37E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,64E+00	0,00E+00	0,00E+00
EET	[MJ]	1,71E-01	0,00E+00	7,19E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	7,86E+00	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 30 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER m2 OF Zenith Broadloom Felt		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	[kg C]	0,00E+00
Biogenic carbon content in accompanying packaging	[kg C]	0,00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO_2	

Table 31 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER m2 OF Zenith Broadloom Foam												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	1,38E+01	2,85E-01	1,93E+00	0,00E+00	1,35E-01	0,00E+00	0,00E+00	1,71E-02	2,05E+00	1,80E+00	-7,64E-01
GWP-fossil	[kg CO_2 eq.]	1,37E+01	2,82E-01	1,77E+00	0,00E+00	1,33E-01	0,00E+00	0,00E+00	1,69E-02	5,61E-01	1,81E-01	-7,58E-01
GWP-biogenic	[kg CO_2 eq.]	3,52E-02	5,26E-04	1,57E-01	0,00E+00	1,40E-03	0,00E+00	0,00E+00	2,91E-05	1,49E+00	1,62E+00	-5,27E-03
GWP-luluc	[kg CO_2 eq.]	8,78E-03	2,94E-03	1,27E-03	0,00E+00	4,38E-04	0,00E+00	0,00E+00	1,47E-04	0,00E+00	1,23E-04	-9,65E-04
ODP	[kg CFC 11 eq.]	9,09E-09	4,77E-14	1,03E-09	0,00E+00	3,02E-12	0,00E+00	0,00E+00	2,65E-15	3,12E-09	1,97E-13	-5,63E-12
AP	[mol H^+ eq.]	2,88E-02	5,12E-04	3,80E-03	0,00E+00	2,91E-04	0,00E+00	0,00E+00	7,70E-05	1,79E-03	4,97E-04	-1,61E-03
EP-freshwater	[kg P eq.]	2,35E-04	7,71E-07	2,89E-05	0,00E+00	3,34E-07	0,00E+00	0,00E+00	3,92E-08	1,77E-08	1,87E-05	-1,85E-06
EP-marine	[kg N eq.]	9,84E-03	2,11E-04	1,26E-03	0,00E+00	6,99E-05	0,00E+00	0,00E+00	3,22E-05	7,89E-04	9,77E-04	-4,55E-04
EP-terrestrial	[mol N eq.]	1,03E-01	2,25E-03	1,30E-02	0,00E+00	7,81E-04	0,00E+00	0,00E+00	3,50E-04	9,01E-03	1,81E-03	-5,20E-03
POCP	[kg NMVOC eq.]	3,37E-02	4,76E-04	4,14E-03	0,00E+00	1,73E-04	0,00E+00	0,00E+00	8,34E-05	2,03E-03	1,07E-03	-1,10E-03
ADPm[1]	[kg Sb eq.]	2,51E-06	1,91E-08	3,27E-07	0,00E+00	2,76E-08	0,00E+00	0,00E+00	1,02E-09	-6,82E-07	4,16E-09	-6,88E-08
ADPf[1]	[MJ]	2,50E+02	3,69E+00	3,06E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,17E-01	9,84E-01	1,42E+00	-1,06E+01
WDP[1]	[m^3 world eq. deprived]	1,56E+00	1,31E-03	1,78E-01	0,00E+00	3,33E-02	0,00E+00	0,00E+00	7,08E-05	2,47E-01	7,29E-03	-1,05E-01
Caption	GWP-total = Globale Warming Potential - total; 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 = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water depletion potential											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.										
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.										

Table 32 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER m2 OF Zenith Broadloom Foam												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	2,38E-07	5,58E-09	3,11E-08	0,00E+00	2,40E-09	0,00E+00	0,00E+00	1,64E-09	5,09E-09	4,78E-09	-1,30E-08
IRP[2]	[kBq U235 eq.]	5,51E-01	9,97E-04	5,56E-02	0,00E+00	7,05E-02	0,00E+00	0,00E+00	5,52E-05	7,71E-04	2,61E-03	-1,31E-01
ETP-fw[1]	[CTUe]	1,22E+02	4,78E+00	2,10E+01	0,00E+00	4,59E-01	0,00E+00	0,00E+00	2,63E-01	1,41E-01	3,40E+00	-1,98E+00
HTP-c[1]	[CTUh]	5,10E-09	6,46E-11	7,05E-10	0,00E+00	4,33E-11	0,00E+00	0,00E+00	3,59E-12	5,20E-11	2,97E-11	-1,58E-10
HTP-nc[1]	[CTUh]	5,70E-08	3,59E-09	7,42E-09	0,00E+00	9,30E-10	0,00E+00	0,00E+00	1,86E-10	5,18E-09	2,56E-09	-5,99E-09
SQP[1]	-	1,45E+01	1,62E+00	2,68E-02	0,00E+00	1,08E+00	0,00E+00	0,00E+00	8,10E-02	0,00E+00	1,27E-01	-1,45E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.											
	[2] 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.											

Table 33 - Parameters describing resource use

RESOURCE USE PER m2 OF Zenith Broadloom Foam												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	2,16E+01	2,76E-01	2,93E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,40E-02	1,05E-03	1,55E-01	-7,68E+00
PERM	[MJ]	0,00E+00	0,00E+00	8,95E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	[MJ]	2,16E+01	2,76E-01	3,02E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,40E-02	1,05E-03	1,55E-01	-7,68E+00
PENRE	[MJ]	1,84E+02	3,69E+00	2,39E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,17E-01	5,18E+01	1,42E+00	-1,06E+01
PENRM	[MJ]	6,55E+01	0,00E+00	6,73E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-5,08E+01	0,00E+00	0,00E+00
PENRT	[MJ]	2,50E+02	3,69E+00	3,06E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,17E-01	9,84E-01	1,42E+00	-1,06E+01
SM	[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
RSF	[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
NRSF	[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
FW	[m^3]	4,40E-02	1,37E-04	6,75E-03	0,00E+00	1,44E-03	0,00E+00	0,00E+00	7,03E-06	5,75E-03	2,13E-04	-4,00E-03
Caption	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 resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 34 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER m2 OF Zenith Broadloom Foam												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	3,35E-01	1,48E-10	3,35E-02	0,00E+00	3,54E-09	0,00E+00	0,00E+00	8,53E-12	0,00E+00	2,29E-10	-6,65E-09
NHWD	[kg]	1,29E-01	5,14E-04	9,06E-02	0,00E+00	2,17E-03	0,00E+00	0,00E+00	2,83E-05	0,00E+00	9,99E-01	-2,48E-02
RWD	[kg]	3,15E-03	6,95E-06	4,21E-04	0,00E+00	4,27E-04	0,00E+00	0,00E+00	3,86E-07	4,85E-05	1,77E-05	-7,92E-04
CRU	[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
MFR	[kg]	2,25E-02	0,00E+00	2,25E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[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
EEE	[MJ]	1,04E-01	0,00E+00	3,30E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,45E+00	0,00E+00	0,00E+00
EET	[MJ]	1,71E-01	0,00E+00	6,99E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	7,29E+00	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 35 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER m2 OF Zenith Broadloom Foam		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	[kg C]	0,00E+00
Biogenic carbon content in accompanying packaging	[kg C]	0,00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO_2	

Table 36 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER m2 OF Penta Broadloom EcoTEX												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	9,01E+00	2,70E-01	1,44E+00	0,00E+00	1,35E-01	0,00E+00	0,00E+00	1,62E-02	1,95E+00	1,71E+00	-7,26E-01
GWP-fossil	[kg CO_2 eq.]	9,00E+00	2,67E-01	1,29E+00	0,00E+00	1,33E-01	0,00E+00	0,00E+00	1,60E-02	5,32E-01	1,72E-01	-7,20E-01
GWP-biogenic	[kg CO_2 eq.]	-5,84E-03	4,98E-04	1,44E-01	0,00E+00	1,40E-03	0,00E+00	0,00E+00	2,76E-05	1,42E+00	1,53E+00	-5,01E-03
GWP-luluc	[kg CO_2 eq.]	1,30E-02	2,79E-03	1,68E-03	0,00E+00	4,38E-04	0,00E+00	0,00E+00	1,39E-04	0,00E+00	1,16E-04	-9,18E-04
ODP	[kg CFC 11 eq.]	4,80E-08	4,52E-14	4,91E-09	0,00E+00	3,02E-12	0,00E+00	0,00E+00	2,51E-15	2,95E-09	1,87E-13	-5,36E-12
AP	[mol H^+ eq.]	2,28E-02	4,85E-04	3,19E-03	0,00E+00	2,91E-04	0,00E+00	0,00E+00	7,30E-05	1,70E-03	4,71E-04	-1,54E-03
EP-freshwater	[kg P eq.]	6,37E-04	7,30E-07	6,90E-05	0,00E+00	3,34E-07	0,00E+00	0,00E+00	3,72E-08	1,68E-08	1,77E-05	-1,76E-06
EP-marine	[kg N eq.]	5,05E-03	2,00E-04	7,77E-04	0,00E+00	6,99E-05	0,00E+00	0,00E+00	3,05E-05	7,48E-04	9,25E-04	-4,32E-04
EP-terrestrial	[mol N eq.]	4,81E-02	2,13E-03	7,45E-03	0,00E+00	7,81E-04	0,00E+00	0,00E+00	3,32E-04	8,54E-03	1,72E-03	-4,95E-03
POCP	[kg NMVOC eq.]	2,08E-02	4,51E-04	2,84E-03	0,00E+00	1,73E-04	0,00E+00	0,00E+00	7,90E-05	1,92E-03	1,02E-03	-1,04E-03
ADPm[1]	[kg Sb eq.]	2,35E-05	1,81E-08	2,43E-06	0,00E+00	2,76E-08	0,00E+00	0,00E+00	9,70E-10	-6,46E-07	3,94E-09	-6,55E-08
ADPf[1]	[MJ]	1,66E+02	3,50E+00	2,22E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,06E-01	9,32E-01	1,35E+00	-1,00E+01
WDP[1]	[m^3 world eq. deprived]	1,10E+00	1,24E-03	1,31E-01	0,00E+00	3,33E-02	0,00E+00	0,00E+00	6,71E-05	2,34E-01	6,91E-03	-1,00E-01
Caption	GWP-total = Globale Warming Potential - total; 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 = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water depletion potential											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.										
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.											

Table 37 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER m2 OF Penta Broadloom EcoTEX												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	2,53E-07	5,28E-09	3,25E-08	0,00E+00	2,40E-09	0,00E+00	0,00E+00	1,56E-09	4,82E-09	4,53E-09	-1,23E-08
IRP[2]	[kBq U235 eq.]	2,31E-01	9,45E-04	2,36E-02	0,00E+00	7,05E-02	0,00E+00	0,00E+00	5,23E-05	7,30E-04	2,48E-03	-1,24E-01
ETP-fw[1]	[CTUe]	7,13E+01	4,53E+00	1,59E+01	0,00E+00	4,59E-01	0,00E+00	0,00E+00	2,49E-01	1,33E-01	3,23E+00	-1,88E+00
HTP-c[1]	[CTUh]	2,93E-08	6,12E-11	3,12E-09	0,00E+00	4,33E-11	0,00E+00	0,00E+00	3,40E-12	4,93E-11	2,82E-11	-1,50E-10
HTP-nc[1]	[CTUh]	5,50E-07	3,41E-09	7,40E-09	0,00E+00	9,30E-10	0,00E+00	0,00E+00	1,76E-10	4,90E-09	2,43E-09	-5,70E-09
SQP[1]	-	1,59E+01	1,53E+00	2,61E-02	0,00E+00	1,08E+00	0,00E+00	0,00E+00	7,67E-02	0,00E+00	1,20E-01	-1,38E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)											
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.											
	[2] 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.											

Table 38 - Parameters describing resource use

RESOURCE USE PER m2 OF Penta Broadloom EcoTEX												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	1,71E+01	2,62E-01	2,48E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,32E-02	1,23E+00	1,47E-01	-7,30E+00
PERM	[MJ]	1,23E+00	0,00E+00	2,12E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,23E+00	0,00E+00	0,00E+00
PERT	[MJ]	1,83E+01	2,62E-01	2,69E+00	0,00E+00	1,85E+00	0,00E+00	0,00E+00	1,32E-02	9,99E-04	1,47E-01	-7,30E+00
PENRE	[MJ]	1,20E+02	3,50E+00	1,74E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,06E-01	3,97E+01	1,35E+00	-1,00E+01
PENRM	[MJ]	4,62E+01	0,00E+00	4,80E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,88E+01	0,00E+00	0,00E+00
PENRT	[MJ]	1,66E+02	3,50E+00	2,22E+01	0,00E+00	2,71E+00	0,00E+00	0,00E+00	2,06E-01	9,32E-01	1,35E+00	-1,00E+01
SM	[kg]	5,25E-01	0,00E+00	5,25E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[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
NRSF	[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
FW	[m^3]	3,16E-02	1,29E-04	5,49E-03	0,00E+00	1,44E-03	0,00E+00	0,00E+00	6,66E-06	5,45E-03	2,02E-04	-3,81E-03
Caption	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 resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 39 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER m2 OF Penta Broadloom EcoTEX												
Parameter	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	3,64E-01	1,40E-10	3,64E-02	0,00E+00	3,54E-09	0,00E+00	0,00E+00	8,09E-12	0,00E+00	2,17E-10	-6,33E-09
NHWD	[kg]	1,64E-01	4,87E-04	9,08E-02	0,00E+00	2,17E-03	0,00E+00	0,00E+00	2,68E-05	0,00E+00	9,47E-01	-2,36E-02
RWD	[kg]	1,56E-03	6,58E-06	2,62E-04	0,00E+00	4,27E-04	0,00E+00	0,00E+00	3,66E-07	4,60E-05	1,68E-05	-7,54E-04
CRU	[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
MFR	[kg]	2,39E-02	0,00E+00	2,39E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[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
EEE	[MJ]	1,04E-01	0,00E+00	3,25E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,33E+00	0,00E+00	0,00E+00
EET	[MJ]	1,71E-01	0,00E+00	6,84E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	6,91E+00	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy											
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.											

Table 40 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER m2 OF Penta Broadloom EcoTEX		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	[kg C]	0,00E+00
Biogenic carbon content in accompanying packaging	[kg C]	0,00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO_2	

Additional information

LCA interpretation

For almost all impact categories, the most of the impacts originate from the A1 and therewith the raw materials. This holds true for most of the impact categories. When regarding climate change, it becomes transparent that depending on the raw material impact also other modules such as production and end-of life treatment become important.

Technical information on scenarios

Transport to the building site (A4)

Scenario information	Value	Unit
Fuel type	Diesel	-
Vehicle type	Truck, Euro 6 A-C, 20-26 gross weight / 17,3 t payload	-
Transport distance	1 000	km
Capacity utilisation (including empty runs)	0,61	%
Gross density of products transported	2,1 – 2,9	kg/m^3
Capacity utilisation volume factor	Diesel	-

Installation of the product in the building (A5)

Scenario information	Value	Unit
Ancillary materials	0,15	kg
Water use	0	m^3
Other resource use	0	kg
Energy type and consumption	0	kWh
Waste materials	0,12 - 0,15	kg
Output materials	2,4 – 3,1	kg
Direct emissions to air, soil or water	0	kg

Reference service life

RSL information		Unit
Reference service Life	1	Years
Declared product properties	-	As appropriate
Design application parameters	-	As appropriate
Assumed quality of work	-	As appropriate
Outdoor environment	-	As appropriate
Indoor environment	-	As appropriate
Usage conditions	-	As appropriate
Maintenance	Vacuum & wet cleaning	As appropriate

Use (B1-B7)

B2 - Maintenance	Vacuum cleaning	Wet cleaning	Unit
Maintenance process	Description or reference	Description or reference	-
Maintenance cycle	183	2	/Year
Ancillary materials for maintenance (specify which)	-	-	kg/cycle
Waste materials resulting from maintenance (specify which)	-	0,08	kg
Net freshwater consumption during maintenance	-	0,08	L
Energy input during maintenance	0,39	0,03	kWh

End of life (C1-C4)

Scenario information	Value	Unit
Collected separately	-	kg
Collected with mixed waste	2,2 – 3	kg
For reuse	-	kg
For recycling	-	kg
For energy recovery	1,1 – 1,5	kg
For final disposal	1,1 – 1,5	kg
Assumptions for scenario development	-	As appropriate

Re-use, recovery and recycling potential (D)

Scenario information/Material	Value	Unit
Electricity recovery from waste incineration	2 – 2,64	MJ
Heat recovery from waste incineration	5,95 – 7,86	MJ

Indoor air

The EPD does not give information on release of dangerous substances to indoor air because the horizontal standards on the relevant measurements are not available. Read more in EN15804+A1 chapter 7.4.1.

Soil and water

The EPD does not give information on release of dangerous substances to soil and water because the horizontal standards on the relevant measurements are not available. Read more in EN15804+A1 chapter 7.4.2.

References

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General programme instructions
General Programme Instructions, version 3.0, spring 2025
www.epddanmark.dk

EN 15804
DS/EN 15804 + A2:2019 - "Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products"

Product-specific cPCR: Product-specific cPCR: EN 16810:2017 "Resilient, textile and laminate floor coverings – Environmental product declarations – Product category rules".

EN 15942
DS/EN 15942:2011 – " Sustainability of construction works – Environmental product declarations – Communication format business-to-business"

ISO 14025
DS/EN ISO 14025:2010 – " Environmental labels and declarations – Type III environmental declarations – Principles and procedures"

ISO 14040
DS/EN ISO 14040:2008 – " Environmental management – Life cycle assessment – Principles and framework"

ISO 14044
DS/EN ISO 14044:2008 – ” Environmental management – Life cycle assessment – Requirements and guidelines”