ENVIRONMENTAL PRODUCT DECLARATION

as per ISO 14025 and EN 15804

Owner of the Declaration egetaepper a/s

Programme holder Institut Bauen und Umwelt e.V. (IBU)

Publisher Institut Bauen und Umwelt e.V. (IBU)

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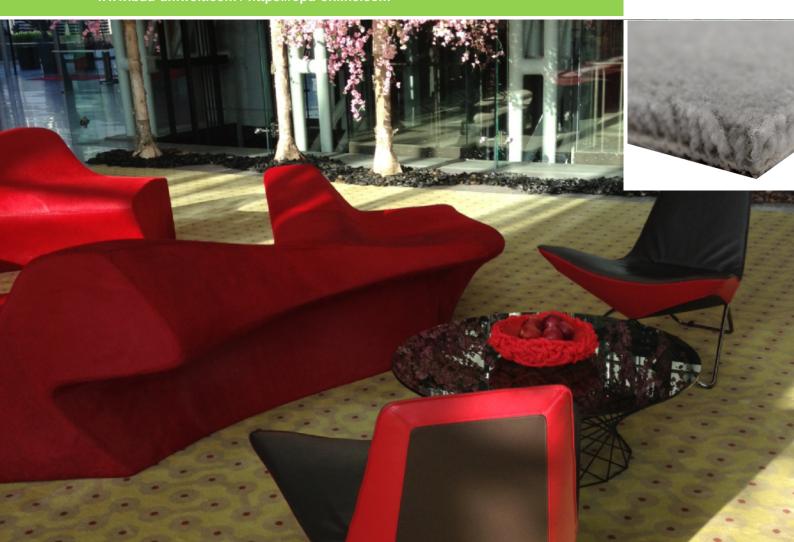
Highline WT

Tufted wall-to-wall carpet, pile material 80% wool and 20% polyamide 6.6, 1800-1900 g/m², textile fabric backing

ege®

Institut Bauen und Umwelt e.V.

www.bau-umwelt.com / https://epd-online.com





General Information

ege®	Highline WT					
	tufted wall-to-wall carpet,					
	pile material wool/PA6.6,					
	1800-1900 g/m²,					
	textile fabric backing					
Programme holder	Owner of the Declaration					
IBU - Institut Bauen und Umwelt e.V.	egetaepper a/s					
Panoramastr. 1	Industrivej Nord 25					
10178 Berlin	7400 Herning					
Germany	Denmark					
Declaration number	Declared product / Declared unit					
EPD-EGE-20150202-CBC1-EN	1 m² tufted wall-to-wall carpet 'Highline WT' with a pile material made of wool/PA6.6, 1800-1900 g/m².					
This Declaration is based on the Product	Scope:					
Category Rules:	The declaration applies to a group of similar products					
Floor coverings, 07.2014	with a pile material of 1800-1900 g/m ² .					
(PCR tested and approved by the SVR)	It is only valid in conjunction with a valid PRODIS licence.					
Issue date 15/03/2016	The carpet is produced in the ege® manufacturing site Herning, Denmark .					
	The owner of the declaration shall be liable for the					
Valid to 14/03/2021	underlying information and evidence; the IBU shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.					
/	Verification					
Wermanes	The CEN Norm /EN 15804/ serves as the core PCR					
or o o o o o o o o o o o o o o o o o o	Independent verification of the declaration					
	according to /ISO 14025/					
Prof. DrIng. Horst J. Bossenmayer (President of Institut Bauen und Umwelt e.V.)	internally x externally					
Lehmann	Angela Schindle					
Dr. Burkhart Lehmann (Managing Director IBU)	Angela Schindler (Independent verifier appointed by SVR)					

Product

Product description

Highline WT - tufted wall-to-wall carpet having a pile material of 80% sheep wool and 20% polyamide 6.6, a primary backing of polyester with a recycled content of 90% and a textile fabric backing.

The injection printing system allows the creation of various designs.

The declaration applies to group of products with a total pile material weight of 1800-1900 g/m². The calculations refer to the average pile material of 1850 g/m².

Application

According to the use class as defined in /EN 1307/ the products can be used in all professional area which require class 33 or less.



Technical Data

of the average product according to /EN 1307/

Name	Value	Unit
Product Form	Wall-to-wall carpet, width 4 m	-
Type of manufacture	Tufted carpet	-
Yarn type	80% sheep wool, 20% polyamide 6.6	-
Secondary backing	Polypropylene	-
Total pile weight	1800-1900	g/m²
Total carpet weight	up to 3270	g/m ²

Additional product properties and performance ratings according to /EN 1307/ can be found on the Product Information System (PRODIS) using the PRODIS registration number of the product (www.pro-dis.info) or on the manufacturer's technical information section (www.egecarpets.com)



Base materials / Ancillary materials

Name	Value	Unit
Sheep wool	46.0	%
Polyamide 6.6	11.5	%
Polyester	3.7	%
Polypropylene	3.4	%
Limestone	19.9	%
Aluminiumhydroxide	8.7	%
SBR-latex	6.6	%
Additives	0.2	%

Reference service life

The service life of textile floor coverings strongly depends on the correct installation taking into account the declared use classification and the adherence to cleaning and maintenance instructions.

A minimum service life of 10 years can be assumed, technical service life can be considerably longer.

LCA: Calculation rules

Declared Unit

Name	Value	Unit
Declared unit	1	m ²
Conversion factor to 1 kg (average product)	0.31	m²/kg
Mass reference (average product)	3.22	kg/m²

System boundary

Type of EPD: Cradle-to-grave

System boundaries of modules A, B, C, D:

A1-A3 Production:

Energy supply and production of the basic material, processing of secondary material, auxiliary material, transport of the material to the manufacturing site, emissions, waste water treatment, packaging material and waste processing up to the landfill disposal of residual waste (except radioactive waste). Credits for electricity and steam from the incineration of production waste are aggregated.

A4 Transport:

Transport of the packed textile floorcovering from factory gate to the place of installation.

A5 Installation:

Installation of the textile floor covering, production and transport of auxiliary materials, waste processing up to the landfill disposal of residual waste (except radioactive waste), the production of the amount of carpet that occurs as installation waste including its transport to the place of installation.

Credits for electricity and steam from the incineration of packaging and installation waste leave the product system.

B1 Use:

3

Indoor emissions during the use stage. After the first year no product related VOC emissions are relevant due to known VOC decay curves of the product.

B2 Maintenance:

Cleaning of the textile floor covering for a period of 1 year:

Vacuum cleaning – electricity supply Wet cleaning – electricity, water consumption, production of the cleaning agent, waste water treatment. The declared values in this module have to be multiplied by the assumed service life of the floor covering in the building in question.

B3 - B7[.]

The modules are not relevant and therefore not declared.

C1 De-construction:

The floor covering is de-constructed manually and no additional environmental impact is caused.

C2 Transport:

Transport of the carpet waste to a landfill, to the municipal waste incineration plant (MWI) or to the waste collection facility for recycling.

C3 Waste processing:

C3-1, C3-2: Landfill disposal and waste incineration need no waste processing.

C3-3: Collection of the carpet waste, waste processing (granulating).

C4 Disposal

C4-1, C4-2: Impact from landfill disposal or from waste incineration (credits leave the system boundaries), C4-3: The pre-processed carpet waste leaves the system and needs no disposal.

D Recycling potential:

D-A5: Energy credits from waste incineration of packaging and installation waste (processing with < 60% efficiency),

D-1, D-2: Energy credits from landfill disposal and from waste incineration of carpet waste at the end-of-life (processing with < 60% efficiency),

D-3: Energetic and substance related credits from recovery of the carpet at the end-of-life in a cement plant (substitution of material and fuel input in the cement kiln), transport from the reprocessing plant to the cement kiln.

Comparability

Basically, a comparison or an evaluation of EPD data is only possible if all the data sets to be compared were created according to /EN 15804/ and the building context, respectively the product-specific characteristics of performance, are taken into account.



LCA: Scenarios and additional technical information

The following information refers to the declared modules and is the basis for calculations or can be used for further calculations. All indicated values refer to the declared functional unit.

Transport to the construction site (A4)

Name	Value	Unit
Litres of fuel (truck, EURO 0-5 mix)	0.0079	l/100km
Transport distance	700	km
Capacity utilisation (including empty runs)	85	%
Gross density of products transported	330	kg/m³

Installation in the building (A5)

Name	Value	Unit
Auxiliary (adhesives)	0.4	kg
Material loss	0.3	kg

Polyethylene packaging waste and installation waste are considered to be incinerated in a municipal waste incineration plant.

Maintenance (B2)

Name	Value	Unit
Maintenance cycle (wet cleaning)	1.5	1/year
Maintenance cycle (vacuum cleaning)	208	1/year
Water consumption (wet cleaning)	0.004	m ³
Cleaning agent (wet cleaning)	0.09	kg
Electricity consumption	0.314	kWh

Further information on cleaning and maintenance see www.egecarpets.com

End of Life (C1-C4)

Three different end-of-life scenarios are declared and the results are indicated separately in module C. Each scenario is calculated as a 100% scenario.

Scenario 1: 100% landfill

Scenario 2: 100% municipal waste incineration (MWI) Scenario 3: 100% recycling in the cement industry

If combinations of these scenarios have to be calculated this should be done according to the following scheme:

EOL-impact = x% impact (Scenario 1)

- + y% impact (Scenario 2)
- + z% impact (Scenario 3)

Name	Value	Unit
Collected as mixed construction waste	3.22	ka
(scenario 1 and 2)	3.22	kg
Collected separately (scenario 3)	3.22	kg
Landfilling (scenario 1)	3.22	kg
Energy recovery (scenario 2)	3.22	kg
Energy recovery (scenario 3)	2.29	kg
Recycling (scenario 3)	0.93	kg

Reuse, recovery and/or recycling potentials (D), relevant scenario information

The recovery or recycling potentials due to the three end-of-life scenarios (module C) are indicated separately.

Recycling in the cement industry (scenario 3) /VDZ e.V./

The organic material of the carpet is used as secondary fuel in a cement kiln. It mainly substitutes for lignite (64.2%), hard coal (25.4%) and petrol coke (10.4%).

The inorganic material is substantially integrated in the cement clinker and substitutes for original material input.



LCA: Results

Information on un-declared modules:

Modules B3 - B7 are not relevant during the service life of the carpet and are therefore not declared. Module C1, C3/1 and C3/2 cause no additional impact (see "LCA: Calculation rules") and is therefore not declared.

Module C2 represents the transport for scenarios 1, 2 and 3.

Column D represents module D/A5.

DESC	RIPT	ION C	F THE	SYST	ЕМ ВС	DUND	ARY (X	(= INC	LUDED) IN L	CA:	MND	= MO	DULE	NOT D	ECLAF	RED)
PROD	OUCT S	STAGE	CONST ON PRO	CESS	USE STAGE END OF LIFE STAGE									BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARIES			
Raw material supply	Transport	Manufacturing	Transport from the gate to the site	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment Operational energy	use	Operational water use	De-construction	Transport	Waste processing	Disposal	Reuse- Recovery-	Recycling- potential
A1	A2	А3	A4	A5	B1	B2	В3	B4	B5 I	В6	В7	C1	C2	C3	C4		D
Х	Χ	Х	X	Χ	Х	Х	MNR	MNR N	INR N	IND	MND	MNI	Σ	X	Х		X
RESU	ILTS	OF TH	IE LCA	\ - EN\	/IRONI	MENT	AL IMF	PACT: 1	l m² flo	orco	verir	ng					
Param eter	U	nit	A1-A3	A4	A5	B1	B2	C2	C3/3	C4	/1 (C4/2	C4/3	D	D/1	D/2	D/3
GWP	[kg C	O ₂ -Eq.]	20.90	0.13	2.86	0.00	0.35	0.01	0.02	2.8	32	7.79	2.55	-0.23	-0.10	-2.31	-0.53
ODP	[kg CF	C11-Eq.]	4.32E-8	5.41E-1	3 2.99E-8	0.00E+	0 9.58E-	-9 3.08E-1	4 1.57E-1	1 6.07E	E-12 2.	59E-9	0.00E+0	-7.73E- 11	-7.32E- 11	-7.64E- 10	-2.23E-8
AP		O ₂ -Eq.]	7.02E-2												-4.95E-4		-2.93E-3
EP POCP) ₄) ³⁻ -Eq.] ene-Eq.]	1.78E-2 5.32E-3												-2.69E-5 -2.88E-5		-6.07E-4 -3.30E-4
ADPE		b-Eq.]			2.23E-6			7 2.94E-1			E-8 -2.				-1.72E-8		-2.94E-7
ADPF		/J]	246.00	1.81	28.00	0.00	7.01	0.10	0.24	2.1		1.89	0.00	-3.30	-1.10	-32.60	-60.70
Caption		<u> </u>	<u> </u>		foss	il resour	ces; ADF	opospherio PF = Abioti PF = Abioti	c depletio	n poter					depletion	n potential	for non-
Parame	eter	Unit	A1-A3	A4	A5												
	,				~3	B1	B2	C2	C3/3	C4/	ı c	4/2	C4/3	D	D/1	D/2	D/3
PERE		[MJ]	145.10	0.10	18.20	0.00	0.64	C2	C3/3	C4/		.09	C4/3 0.00	D -0.39	D/1 -0.37	D/2 -3.85	D/3 -0.25
PERM	<u>Е</u>	[MJ]	145.10 30.90	0.10 0.00	18.20 0.00	0.00	0.64	0.01	0.08	0.14	1 0	.09	0.00	-0.39 0.00	-0.37 0.00	-3.85 0.00	-0.25 0.00
PERM PER	<u>Е</u> М	[MJ]	145.10 30.90 176.00	0.10 0.00 0.10	18.20 0.00 18.20	0.00 0.00 0.00	0.64 0.00 0.64	0.01 0.00 0.01	0.08 0.00 0.08	0.14 0.00 0.14	1 0 0 0 1 0	.09 .00 .09	0.00 0.00 0.00	-0.39 0.00 -0.39	-0.37 0.00 -0.37	-3.85 0.00 -3.85	-0.25 0.00 -0.25
PERM PERM PENR	E M T RE	[MJ] :	145.10 30.90 176.00 240.85	0.10 0.00 0.10 1.82	18.20 0.00 18.20 30.90	0.00 0.00 0.00 0.00	0.64 0.00 0.64 8.32	0.01 0.00 0.01 0.10	0.08 0.00 0.08 0.38	0.14 0.00 0.14 2.21	1 0 0 0 1 0	.09 .00 .09 .17	0.00 0.00 0.00 0.00	-0.39 0.00 -0.39 -3.99	-0.37 0.00 -0.37 -1.75	-3.85 0.00 -3.85 -39.50	-0.25 0.00 -0.25 -61.30
PERM PER	E M	[MJ] : [MJ] : [MJ] :	145.10 30.90 176.00	0.10 0.00 0.10	18.20 0.00 18.20	0.00 0.00 0.00	0.64 0.00 0.64	0.01 0.00 0.01	0.08 0.00 0.08	0.14 0.00 0.14	1 0 0 0 1 2 0 0	.09 .00 .09 .17 .00	0.00 0.00 0.00	-0.39 0.00 -0.39	-0.37 0.00 -0.37	-3.85 0.00 -3.85	-0.25 0.00 -0.25
PERM PENR PENR PENR PENR SM	E M	[MJ] [MJ] : [MJ] : [MJ] : [MJ] :	145.10 30.90 176.00 240.85 27.15 268.00 0.15	0.10 0.00 0.10 1.82 0.00 1.82 0.00	18.20 0.00 18.20 30.90 0.00 30.90 0.01	0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.64 0.00 0.64 8.32 0.00 8.32 0.00	0.01 0.00 0.01 0.10 0.00 0.10 0.00	0.08 0.00 0.08 0.38 0.00 0.38	0.14 0.00 0.14 2.21 0.00 2.21	4 0 0 0 1 0 1 2 0 0 1 2	.09 .00 .09 .17 .00 .17	0.00 0.00 0.00 0.00 0.00 0.00 0.00	-0.39 0.00 -0.39 -3.99 0.00 -3.99 0.00	-0.37 0.00 -0.37 -1.75 0.00 -1.75 0.00	-3.85 0.00 -3.85 -39.50 0.00 -39.50 0.00	-0.25 0.00 -0.25 -61.30 0.00 -61.30 0.00
PERM PER PENR PENR PENR SM RSF	E M T RE MM RT	[MJ] : [MJ] : [MJ] : [MJ] : [MJ] : [MJ] : [kg] : [MJ] : 1	145.10 30.90 176.00 240.85 27.15 268.00 0.15	0.10 0.00 0.10 1.82 0.00 1.82 0.00 1.21E-5	18.20 0.00 18.20 30.90 0.00 30.90 0.01 1.61E-3	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.64 0.00 0.64 8.32 0.00 8.32 0.00 5.08E-5	0.01 0.00 0.01 0.10 0.00 0.10 0.00 6.87E-7	0.08 0.00 0.08 0.38 0.00 0.38 0.00 4.97E-6	0.14 0.00 0.14 2.21 0.00 2.21 0.00 1.86E	1 0 1 0 1 2 0 0 1 2 0 0 1 2 0 0	.09 .00 .09 .17 .00 .17 .00 4E-5 (0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.39 0.00 -0.39 -3.99 0.00 -3.99 0.00 -4.35E-5	-0.37 0.00 -0.37 -1.75 0.00 -1.75 0.00 -2.31E-5	-3.85 0.00 -3.85 -39.50 0.00 -39.50 0.00 -4.30E-4	-0.25 0.00 -0.25 -61.30 0.00 -61.30 0.00 -5.48E-5
PERM PENR PENR PENR PENR SM	E M T RE M RT F F F F F F F F F F F F F F F F F F	[MJ]	145.10 30.90 176.00 240.85 27.15 268.00 0.15 1.74E-2 2.48E-1	0.10 0.00 0.10 1.82 0.00 1.82 0.00 1.21E-5 1.26E-4 1.78E-4	18.20 0.00 18.20 30.90 0.00 30.90 0.01 1.61E-3 2.29E-2 4.47E-2	0.00 0.00 0.00 0.00 0.00 0.00 0.00E+0 0.00E+0	0.64 0.00 0.64 8.32 0.00 8.32 0.00 5.08E-5 5.75E-4 1.94E-3	0.01 0.00 0.01 0.10 0.00 0.10 0.00 6.87E-7 7.19E-6 1.01E-5	0.08 0.00 0.08 0.38 0.00 0.38 0.00 4.97E-6 5.18E-5 1.59E-4	0.14 0.00 0.14 2.21 0.00 2.21 0.00 1.86E 3.87E 2.93E	1 00 0 0 1 20 0 0 1 2 0 0 1 2 0 0 6-3 2.3 6-3 1.8 6-4 1.3	.09	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00E+0 0.00E+0	-0.39 0.00 -0.39 -3.99 0.00 -3.99 0.00 -4.35E-5 -4.55E-4 -7.88E-4	-0.37 0.00 -0.37 -1.75 0.00 -1.75 0.00 -2.31E-5 -2.42E-4 -7.39E-4	-3.85 0.00 -3.85 -39.50 0.00 -39.50 0.00 -4.30E-4 -4.50E-3 -7.78E-3	-0.25 0.00 -0.25 -61.30 0.00 -61.30 0.00 -5.48E-5 -5.76E-4 -5.72E-3
PERN PERR PENR PENR PENR SM RSF NRSI FW	F F rene of se	[MJ] [MJ] [MJ] [MJ] [MJ] [MJ] [MJ] [MJ]	145.10 30.90 176.00 240.85 27.15 268.00 0.15 1.74E-2 1.66E-1 Use of rerimary en wateria	0.10 0.00 0.10 1.82 0.00 1.82 0.00 1.21E-5 1.26E-4 1.78E-4 Inewable ergy resimary energy result; RSF =	18.20 0.00 18.20 30.90 0.00 30.90 0.01 1.61E-3 2.29E-2 4.47E-2 primary cources usurery excl sources usurery excl	0.00 0.00 0.00 0.00 0.00 0.00 0.00E+0 0.00E+0 energy sed as r luding n sed as	0.64 0.00 0.64 8.32 0.00 5.08E-5 5.75E-4 1.94E-3 excluding aw mate on-renew aw mate e second	0.01 0.00 0.01 0.10 0.00 0.10 0.00 6.87E-7 7.19E-6	0.08 0.00 0.08 0.38 0.00 0.38 0.00 4.97E-6 5.18E-5 1.59E-4 ble prima RT = Tota nRT = Tot NRSF = Water	0.14 0.00 0.14 2.21 0.00 1.86E 3.87E 2.93E ry eneral use of gy resortal use of gy resortant gy resortant gy resortal use of gy resortant gy res	0	.09 .00 .00 .09 .17 .00 .17 .00 .4E-5 (0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00E+0 0.00E+0 0.00E+0 s used as primary of as raw may as raw may as raw may as a saw may as a saw may as a saw may as raw may as	-0.39 0.00 -0.39 -3.99 0.00 -3.99 0.00 -4.35E-5 -4.55E-4 -7.88E-4 s raw ma energy renaterials; imary en	-0.37 0.00 -0.37 -1.75 0.00 -1.75 0.00 -2.31E-5 -2.42E-4 -7.39E-4 terials; Plesources; PENRM ergy reso	-3.85 0.00 -3.85 -39.50 0.00 -39.50 0.00 -4.30E-4 -4.50E-3 -7.78E-3 ERM = U PENRE = Use of ources; SI	-0.25 0.00 -0.25 -61.30 0.00 -61.30 0.00 -5.48E-5 -5.76E-4 -5.72E-3 se of = Use of non-
PERN PENR PENR PENR SM RSF NRSI FW	F F rene of se	[MJ] [MJ] [MJ] [MJ] [MJ] [MJ] [MJ] [MJ]	145.10 30.90 176.00 240.85 27.15 268.00 0.15 1.74E-2 1.66E-1 Use of rerimary en wable primary en y materia	0.10 0.00 0.10 1.82 0.00 1.82 0.00 1.21E-5 1.26E-4 1.78E-4 Inewable ergy resimary energy result; RSF =	18.20 0.00 18.20 30.90 0.00 30.90 0.01 1.61E-3 2.29E-2 4.47E-2 primary cources usurery excl sources usurery excl	0.00 0.00 0.00 0.00 0.00 0.00 0.00E+0 0.00E+0 energy sed as r luding n sed as	0.64 0.00 0.64 8.32 0.00 5.08E-5 5.75E-4 1.94E-3 excluding aw mate on-renew aw mate e second	0.01 0.00 0.01 0.10 0.00 0.10 0.00 6.87E-7 7.19E-6 1.01E-5 g renewal rials; PEF vable prin rials; PEF vable prin rials; PEI dary fuels	0.08 0.00 0.08 0.38 0.00 0.38 0.00 4.97E-6 5.18E-5 1.59E-4 ble prima RT = Tota nRT = Tot NRSF = Water	0.14 0.00 0.14 2.21 0.00 1.86E 3.87E 2.93E ry eneral use of gy resortal use of gy resortant gy resortant gy resortal use of gy resortant gy res	0	.09 .00 .00 .09 .17 .00 .17 .00 .4E-5 (0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00E+0 0.00E+0 0.00E+0 s used as primary of as raw may as raw may as raw may as a saw may as a saw may as a saw may as raw may as	-0.39 0.00 -0.39 -3.99 0.00 -3.99 0.00 -4.35E-5 -4.55E-4 -7.88E-4 s raw ma energy renaterials; imary en	-0.37 0.00 -0.37 -1.75 0.00 -1.75 0.00 -2.31E-5 -2.42E-4 -7.39E-4 terials; Plesources; PENRM ergy reso	-3.85 0.00 -3.85 -39.50 0.00 -39.50 0.00 -4.30E-4 -4.50E-3 -7.78E-3 ERM = U PENRE = Use of ources; SI	-0.25 0.00 -0.25 -61.30 0.00 -61.30 0.00 -5.48E-5 -5.76E-4 -5.72E-3 se of = Use of non-
PERM PENR PENR PENR SM	F F rene of se	[MJ] [MJ] [MJ] [MJ] [MJ] [MJ] [MJ] [MJ]	145.10 30.90 176.00 240.85 27.15 268.00 0.15 1.74E-2 2.48E-1 1.66E-1 Use of rerimary enwable primary er y materia	0.10 0.00 0.10 1.82 0.00 1.82 0.00 1.82 1.21E-5 1.26E-4 1.78E-4 Innewable tergy resimary energy resil; RSF =	18.20 0.00 18.20 30.90 0.00 30.90 0.01 1.61E-3 2.29E-2 4.47E-2 2 primary sources usergy exclusiources usergy exclusions.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 energy sed as r luding n sed as enewabl	0.64 0.00 0.64 8.32 0.00 8.32 0.00 5.08E-5 5.75E-4 1.94E-3 excluding aw mate on-renew raw mate e second	0.01 0.00 0.01 0.10 0.00 0.10 0.00 0.10 0.00 1.01E-5 g renewatrials; PEF vable prin prials; PEF dary fuels	0.08 0.00 0.08 0.38 0.00 0.38 0.00 4.97E-6 5.18E-5 1.59E-4 ble prima RT = Tota ary ener RT = Tot NRSF = Water	0.14 0.00 0.14 2.21 0.00 2.21 0.00 1.86E 3.87E 2.93E ry eneral use of gy resolutions of the control of the cont	0 0 0 1 2 0 0 1 2 0 0 0 1 2 0 0 0 0 0 0 0 0 0	.09 .00 .00 .09 .17 .00 .17 .00 .17 .00 .4E-5 (c 8E-2 (c) wable used a service wable service)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.39 0.00 -0.39 -3.99 0.00 -3.99 0.00 -4.35E-5 -4.55E-4 -7.88E-4 s raw ma energy re- naterials; rimary en ondary fu	-0.37 0.00 -0.37 -1.75 0.00 -1.75 0.00 -2.31E-5 -2.42E-4 -7.39E-4 terials; Plesources; PENRM ergy reso els; FW =	-3.85 0.00 -3.85 -39.50 0.00 -39.50 0.00 4.30E-4 4.50E-3 -7.78E-3 ERM = U PENRE = Use of r	-0.25 -0.00 -0.25 -61.30 0.00 -61.30 0.00 -5.48E-5 -5.76E-3 se of = Use of non- M = Use ener fresh
PERN PENR PENR PENR SM RSF NRSI FW Caption RESU 1 m² f Parama	F F F rene r rene of set	[MJ] [MJ] [MJ] [MJ] [Kg] [MJ] [MJ] [MJ] [MJ] [MJ] [MJ] [MJ] [MJ	145.10 30.90 176.00 240.85 27.15 268.00 0.15 1.74E-2 2.48E-1 1.66E-1 Use of rerimary enwable primary ery materia	0.10 0.00 0.10 1.82 0.00 1.82 0.00 1.82 0.00 1.21E-5 1.26E-4 1.78E-4 1.78E-4 1.78E-5 1.78E-4 1.78E-6 1.78E-7 1.78E-8 1	18.20 0.00 18.20 30.90 0.00 30.90 0.01 1.61E-3 2.29E-2 4.47E-2 2 primary ources usergy excluder by excluding the primary ources usergy excluder the primary ources usergy excludes the primary excludes the primary ources usergy excludes the primary ources are the primary ources and the primary excludes the primary ources are the	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.64 0.00 0.64 8.32 0.00 8.32 0.00 5.08E-5 5.75E-4 1.94E-3 excluding aw mate on-renew raw mate e second	0.01 0.00 0.01 0.10 0.00 0.10 0.00 6.87E-7 7.19E-6 1.01E-5 g renewal rials; PEF vable prin rials; PEF dary fuels WAST	0.08 0.00 0.08 0.38 0.00 0.38 0.00 4.97E-6 5.18E-5 1.59E-4 ble prima RT = Tota ary ener NRT = To VRT =	0.12 0.00 0.10 0.10 0.00 0.22 0.00 1.86E 2.93E ry energy residues c 2.93E 1.00 0.00 E EGO	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.09 .00 .00 .09 .17 .00 .17 .00 .17 .00 .4E-5 (1 .8E-2 (1 .9E-2) .9E-2	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.39 0.00 -0.39 -3.99 0.00 -3.99 0.00 -4.35E-4 -7.88E-4 s raw ma energy re naterials; imary en ondary fu	-0.37 0.00 -0.37 -1.75 0.00 -1.75 0.00 -2.31E-5 -2.42E-4 -7.39E-4 terials; Plesources; PENRM ergy reso	-3.85 -3.85 -39.50 0.00 -3.950 0.00 -4.30E-4 -4.50E-3 -7.78E-3 ERM = U PENRE = Use of purces; SI = Use of r	-0.25 -0.00 -0.25 -61.30 0.00 -61.30 0.00 -5.48E-5 -5.76E-4 -5.72E-3 se of = Use of non- M = Use net fresh
PERN PENR SM RSF NRSI FW Caption	F F F F F F F F F F F F F F F F F F F	MJ [MJ [MJ [MJ [MJ [MJ [MJ [MJ	145.10 30.90 176.00 240.85 27.15 268.00 0.15 1.74E-2 1.66E-1 Use of rerimary enwable primary ery materia	0.10 0.00 0.10 1.82 0.00 1.82 0.00 1.82 1.00 1.82 1.26E-4 1.78E-4 1.78	18.20 0.00 18.20 30.90 0.00 30.90 0.01 1.61E-3 2.29E-2 4.47E-2 primary ources usergy exclusiources usergy exclusiources usergy exclusions.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.64 0.00 0.64 8.32 0.00 8.32 0.00 5.08E-5 5.75E-4 1.94E-3 excluding aw mate on-renew raw mate e second	0.01 0.00 0.01 0.10 0.00 0.10 0.00 6.87E-7 7.19E-6 1.01E-5 g renewal rials; PEF vable primarials; PEF dary fuels WAST C2 0.00E+0 3.90E-4	0.08 0.00 0.08 0.38 0.00 0.38 0.00 4.97E-5 5.18E-5 1.59E-4 ble prima RT = Tota hary ener NRT = To NRSF = water C3/3 0.00E+0 8.73E-2	0.12 0.000 0.10 0.10 0.10 0.10 0.10 0.10	1	.09 .00 .00 .00 .00 .00 .00 .00 .00 .00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.39 0.00 -0.39 -3.99 0.00 -3.99 0.00 -4.35E-5 -4.55E-4 s raw ma energy renaterials; imary en ondary fu	-0.37 0.00 -0.37 -1.75 0.00 -1.75 0.00 -2.31E-5 2.42E-4 -7.39E-4 terials; P esources; PENRM ergy reso els; FW =	-3.85 0.00 -3.85 -39.50 0.00 -39.50 0.00 -4.30E-4 -4.50E-3 -7.78E-3 ERM = U PENRE = Use of r	-0.25 -0.00 -0.25 -61.30 0.00 -61.30 0.00 -5.48E-5 -5.76E-3 se of = Use of non- M = Use net fresh
PERN PENR PENR PENR SM RSF NRSI FW Caption RESU 1 m² f Parama	Frene of second State of Secon	MJ [MJ [MJ [MJ [MJ [MJ [MJ [MJ	145.10 30.90 176.00 240.85 27.15 268.00 0.15 1.74E-2 1.66E-1 Use of rerimary enwable primary ery materia	0.10 0.00 0.10 1.82 0.00 1.82 0.00 1.82 1.00 1.82 1.26E-4 1.78E-4 1.78	18.20 0.00 18.20 30.90 0.00 30.90 0.01 1.61E-3 2.29E-2 4.47E-2 2 primary ources usergy excluder by excluding the primary ources usergy excluder the primary ources usergy excludes the primary excludes the primary ources usergy excludes the primary ources are the primary ources and the primary excludes the primary ources are the	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.64 0.00 0.64 8.32 0.00 8.32 0.00 5.08E-5 5.75E-4 1.94E-3 excluding aw mate on-renew raw mate e second	0.01 0.00 0.01 0.10 0.00 0.10 0.00 6.87E-7 7.19E-6 1.01E-5 g renewal rials; PEF vable primarials; PEF dary fuels WAST C2 0.00E+0 3.90E-4	0.08 0.00 0.08 0.38 0.00 0.38 0.00 4.97E-6 5.18E-5 1.59E-4 ble prima RT = Tota ary ener NRT = To VRT =	0.12 0.00 0.00 0.10 0.10 0.10 0.10 0.10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.09 .00 .00 .00 .00 .00 .00 .00 .00 .00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.39 0.00 -0.39 -3.99 0.00 -3.99 0.00 -4.35E-5 -4.55E-4 s raw ma energy renaterials; imary en ondary fu	-0.37 0.00 -0.37 -1.75 0.00 -1.75 0.00 -2.31E-5 -2.42E-4 -7.39E-4 terials; Plesources; PENRM ergy reso	-3.85 0.00 -3.85 -39.50 0.00 -39.50 0.00 -4.30E-4 -4.50E-3 -7.78E-3 ERM = U PENRE = Use of r	-0.25 -0.00 -0.25 -61.30 0.00 -61.30 0.00 -5.48E-5 -5.76E-3 se of = Use of non- M = Use net fresh
PERN PENR PENR PENR SM RSF NRSI FW Caption RESU 1 m² f Parame HWE NHWE CRE CRE	F F F F F F F F F F F F F F F F F F F	MJ [MJ] [M	145.10 30.90 176.00 240.85 27.15 268.00 0.15 1.74E-2 2.48E-1 1.66E-1 Use of rerimary enwable primary eny materia HE LCA ng A1-A3 1.14E-5 0.334E-3 2.000 0.00	0.10 0.00 0.10 1.82 0.00 1.82 0.00 1.82 0.00 1.82 0.00 1.21E-5 1.26E-4 1.78E-4 1.78E-4 Innewable lergy resimary er nergy resimary er lergy	18.20 0.00 18.20 30.90 0.00 30.90 0.01 1.61E-3 2.29E-2 4.47E-2 primary ources usergy exclesources usergy exclusive and the second exclusive exclus	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.64 0.00 0.64 8.32 0.00 8.32 0.00 5.08E-5 5.75E-4 1.94E-3 excluding aw mate on-renewraw mate e second S AND B2 0.00E+0 6.22E-1 3.96E-4 0.00	0.01 0.00 0.01 0.10 0.00 0.10 0.00 0.10 0.00 1.01E-5 g renewal rials; PEF vable prin grials; PEF vable prin grials; PEF vable prin grials; PEF vable prin drials; PEF 1 dary fuels 0.00E+0 3.90E-4 1.41E-7 0.00 0.00	0.08 0.00 0.08 0.38 0.00 0.38 0.00 4.97E-6 5.18E-5 1.59E-4 ble prima RT = Totalary ener NRST = Tot NRST = Tot NRST = Tot NRST = Tot 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.121 0.000	1	.09 .00 .00 .00 .00 .00 .00 .00 .00 .00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.39 0.00 -0.39 -3.99 0.00 -3.99 0.00 -4.35E-5 -4.55E-4 -7.88E-4 s raw ma energy renaterials; imary enondary fu	-0.37 -0.37 -1.75 0.00 -1.75 0.00 -1.75 0.00 -2.31E-5 -2.42E-4 -7.39E-4 terials; PI esources; PENRM ergy reso els; FW = D/1 0.00E+0 -4.07E-1 -2.62E-4 0.00 0.00	-3.85 -0.00 -3.85 -39.50 -0.00 -39.50 -0.00 -39.50 -7.78E-3 -7.78E-3 -7.78E-3 ERM = U PENRE = Use of rules of r	-0.25 -0.00 -0.25 -61.30 0.00 -61.30 0.00 -5.48E-5 -5.76E-4 -5.72E-3 se of = Use of non- M = Use of the second of the
PERN PENR PENR SHAPE PENR PENR PENR PENR PENR PENR PENR PE	F F F F F F F F F F F F F F F F F F F	MJ [MJ [MJ [MJ [MJ [MJ [MJ [MJ	145.10 30.90 176.00 240.85 27.15 268.00 0.15 1.74E-2 2.48E-1 1.66E-1 1.66E-1 Use of rerimary enwable primary erry materia 1E LCA 1.14E-5 0.391E-2 0.334E-3 0.00 0.06 0.00	0.10 0.00 0.10 1.82 0.00 1.82 0.00 1.82 0.00 1.82 0.00 1.21E-5 1.26E-4 1.78E-4 1.78E-4 1.78E-4 1.78E-5 1.26E-4 1.78E-4 1.78E-5 1.26E-4 1.78E-6 1.26E-6	18.20 0.00 18.20 30.90 0.00 30.90 0.01 1.61E-3 2.29E-2 4.47E-2 primary cources usergy exclesiources usergy exclesiources usergy exclesiources usergy exclesiources usergy exclesions and the sources are usergiven as a source of the sources are usergiven as a source of the sources are usergiven as a source of the source of the sources are usergiven as a source of the	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.64 0.00 0.64 8.32 0.00 8.32 0.00 5.08E-5 5.75E-4 1.94E-3 excluding aw mate on-renewraw mate e second S AND B2 0.00E+0 6.22E-1 3.96E-4 0.00 0.00	0.01 0.00 0.01 0.00 0.01 0.10 0.00 0.10 0.00 0.10 0.00 1.01E-5 g renewal rials; PEF vable prin strials; PEF vable prin strials; PEF vable 1.01E-5 0 0.00E+0 3.90E-4 1.41E-7 0.00 0.00	0.08 0.00 0.08 0.38 0.00 0.38 0.00 4.97E-6 5.18E-5 1.59E-4 ble prima RT = Tota ary ener NRST = Tot NRSF = Water C3/3 0.00E+0 8.73E-2 5.63E-5 0.00 0.00	0.124 0.000 0.100	00 00 00 00 00 00 00	.09 .00 .00 .00 .00 .00 .00 .00 .00 .00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.39 -0.00 -0.39 -3.99 -0.00 -3.99 -0.00 -4.35E-5 -4.55E-4 -7.88E-4 -7.88E	-0.37 -0.00 -0.37 -1.75 -0.00 -1.75 -0.00 -1.75 -2.42E-4 -7.39E-4 terials; Plesources; PENRM ergy reso els; FW = D/1 -0.00E+0 -4.07E-1 -2.62E-4 -0.00 -0.00 -0.00	-3.85 -0.00 -3.85 -39.50 -0.00 -39.50 -0.00 -4.30E4 -4.50E-3 -7.78E-3 ERM = U PENRE = Use of purces; SI = Use of r -2.74E-3 -2.74E-3 -0.00 -0.00 -0.00	-0.25 -0.00 -0.25 -61.30 -0.00 -61.30 -5.48E-5 -5.76E-4 -5.72E-3 se of = Use of non- M = Use net fresh -4.98E+1 -1.04E-4 0.00 0.00
PERN PENR PENR PENR SM RSF NRSI FW Caption RESU 1 m² f Parame HWE NHWE CRE CRE	F F F F F F F F F F F F F F F F F F F	MJ [MJ] [M	145.10 30.90 176.00 240.85 27.15 268.00 0.15 1.74E-2 2.48E-1 1.66E-1 Use of rerimary enwable primary eny materia HE LCA ng A1-A3 1.14E-5 0.334E-3 2.000 0.00	0.10 0.00 0.10 1.82 0.00 1.82 0.00 1.82 0.00 1.82 0.00 1.21E-5 1.26E-4 1.78E-4 1.78E-4 Innewable lergy resimary er nergy resimary er lergy	18.20 0.00 18.20 30.90 0.00 30.90 0.01 1.61E-3 2.29E-2 4.47E-2 primary ources usergy exclesources usergy exclusive and the second exclusive exclus	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.64 0.00 0.64 8.32 0.00 8.32 0.00 5.08E-5 5.75E-4 1.94E-3 excluding aw mate on-renewraw mate e second S AND B2 0.00E+0 6.22E-1 3.96E-4 0.00	0.01 0.00 0.01 0.10 0.00 0.10 0.00 0.10 0.00 1.01E-5 g renewal rials; PEF vable prin grials; PEF vable prin grials; PEF vable prin grials; PEF vable prin drials; PEF 1 dary fuels 0.00E+0 3.90E-4 1.41E-7 0.00 0.00	0.08 0.00 0.08 0.38 0.00 0.38 0.00 4.97E-6 5.18E-5 1.59E-4 ble prima RT = Totalary ener NRST = Tot NRST = Tot NRST = Tot NRST = Tot 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.121 0.000	1	.09 .00 .00 .00 .00 .00 .00 .00 .00 .00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.39 0.00 -0.39 -3.99 0.00 -3.99 0.00 -4.35E-5 -4.55E-4 -7.88E-4 s raw ma energy renaterials; imary enondary fu	-0.37 -0.37 -1.75 0.00 -1.75 0.00 -1.75 0.00 -2.31E-5 -2.42E-4 -7.39E-4 terials; PI esources; PENRM ergy reso els; FW = D/1 0.00E+0 -4.07E-1 -2.62E-4 0.00 0.00	-3.85 -0.00 -3.85 -39.50 -0.00 -39.50 -0.00 -39.50 -7.78E-3 -7.78E-3 -7.78E-3 ERM = U PENRE = Use of rules of r	-0.25 -0.00 -0.25 -61.30 0.00 -61.30 0.00 -5.48E-5 -5.76E-4 -5.72E-3 se of = Use of non- M = Use of the second of the

The declared result figures in module B2 have to be multiplied by the assumed service time (in years) of the floor covering in the building considered.



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