# **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)

Declaration number EPD-EGE-20150316-CCA1-EN

Issue date 15/03/2016 Valid to 14/03/2021

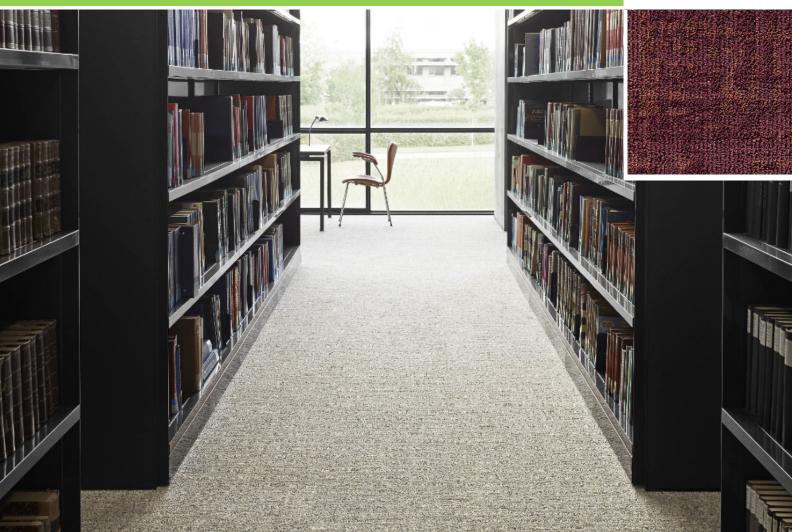
# Tufted wall-to-wall carpet

total pile material 900-1000 g/m² polyamide 6 from recycled material, woven textile backing

ege®



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





# **General Information**

ege®	Tufted wall-to-wall carpet total pile material 900-1000 g/m² PA 6 from recycled material,
	woven textile backing
Programme holder IBU - Institut Bauen und Umwelt e.V. Panoramastr. 1 10178 Berlin Germany	Owner of the Declaration egetaepper a/s Industrivej Nord 25 7400 Herning Denmark
Declaration number EPD-EGE-20150316-CCA1-EN	Declared product / Declared unit  1 m² tufted wall-to-wall carpet with a pile material made of 900-1000 g/m² recycled PA 6.
This Declaration is based on the Product Category Rules: Floor coverings, 07.2014 (PCR tested and approved by the SVR)	Scope:  The declaration applies to a group of similar products with a total pile material of 900-1000 g/m².  It is only valid in conjunction with a valid PRODIS licence.
<b>Issue date</b> 15/03/2016	The carpet is produced in the ege® manufacturing site Herning, Denmark .
<b>Valid to</b> 14/03/2021	The owner of the declaration shall be liable for the underlying information and evidence; the IBU shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.
/	Verification
Wiremanes	The CEN Norm /EN 15804/ serves as the core PCR 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**

Tufted wall-to-wall carpet having a pile material of 100% recycled polyamide 6, a primary backing of polyester with a recycled content of 90% and a woven textile backing.

The recycled content out of total weight account for 42.3%.

The declaration applies to group of products with a total pile material weight of 900-1000  $g/m^2$ .

The calculations refer to the average pile material of 950 g/m².

The injection printing system allows the creation of various designs.

# **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/

or the average produ	ct according to /LIN 1307/	
Name	Value	Unit
Draduat Form	Wall-to-wall carpet,	
Product Form	width 4 m	-
Type of manufacture	Tufted wall-to-wall carpet	-
Yarn type	Polyamide 6	
r am type	from recycled material	-
Secondary backing	Polypropylene	-
Total pile weight	900-1000	g/m²
Total carpet weight	up to 2550	g/m²

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
Polyamide 6	38.0	%
Polyester	4.8	%
Polypropylene	4.4	%
Limestone	16.9	%
Aluminiumhydroxide	19.8	%
SBR-latex	15.5	%
Additives	0.6	%

## 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 <sup>2</sup>
Conversion factor to 1 kg (average product)	0.4	m²/kg
Mass reference (average product)	2.5	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.

## <u>B1 Use:</u>

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	312	kg/m³

Installation in the building (A5)

Name	Value	Unit
Auxiliary (adhesives)	0.4	kg
Material loss	0.2	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 <sup>3</sup>
Cleaning agent (wet cleaning)	0.09	kg
Electricity consumption	0.314	kWh

Further information on cleaning and maintenance see <a href="https://www.egecarpets.com">www.egecarpets.com</a>

# 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 (scenario 1 and 2)	2.5	kg
Collected separately (scenario 3)	2.5	kg
Landfilling (scenario 1)	2.5	kg
Energy recovery (scenario 2)	2.5	kg
Energy recovery (scenario 3)	1.6	kg
Recycling (scenario 3)	0.9	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.

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Paramo PER PERI PENF PENF PENF SM	E M T RE RM RT	Mit	21.76 0.00 21.76 129.16 50.96 180.12 1.03 2.78E-3 8.08E-2 1.10E-2	0.08 0.00 0.08 1.41 0.00 1.41 0.00 9.39E-6 9.83E-5 1.39E-4	A5 4.55 0.00 4.55 22.77 0.00 22.77 0.09 3.02E-4 3.43E-3 5.63E-3	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	B2 0.72 0.00 0.72 8.22 0.00 8.22 0.00 5.08E-5 5.75E-4 1.65E-3	C2 0.00 0.00 0.00 0.08 0.00 0.08 0.00 0.08 0.00 0.08 0.00 0.8 5.33E-7 5.58E-6	C3/3 0.06 0.00 0.06 0.29 0.00 0.29 0.00 3.86E-6 4.02E-5 1.23E-4	C4 0.1 0.0 0.1 1.7 0.0 1.44 3.01 2.28	1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C4/2 0.07 0.00 0.07 2.16 0.00 2.16 0.00 78E-5 76E-4 0.05E-2	C4/3  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	D -0.31 0.00 -0.31 -3.12 0.00 -3.12 0.00 -3.40E-5 -3.56E-4 -6.18E-4	-0.29 0.00 -0.29 -1.36 0.00 -1.36 0.00 -1.80E-5 -1.88E-4 -5.74E-4	-2.92 0.00 -2.92 -29.78 0.00 -29.78 0.00 -3.25E-4 -3.39E-3 -5.90E-3	-0.35 0.00 -0.35 -58.60 0.00 -58.60 0.00 -4.81E-5 -5.05E-4 -4.69E-3
Parame PER PERI PENF PENF SM RSF NRS FW	E M T RE RM RT Frence r rence of se	Unit  [M.]  2  [M.]  2  [m.]  2  perse = ewable pinon-rene ewable pecondary	A1-A3 21.76 0.00 21.76 129.16 50.96 180.12 1.03 2.78E-3 3.08E-2 4.10E-2 Use of rerimary erimary erimar	0.08 0.00 0.08 1.41 0.00 1.41 0.00 0.39E-6 0.83E-5 1.39E-4 errgy resimary energy result;	A5 4.55 0.00 4.55 22.77 0.00 22.77 0.09 3.02E-4 3.43E-3 5.63E-3 e primary sources unergy excessources under the excessor e	B1  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	B2 0.72 0.00 0.72 8.22 0.00 5.08E-5 5.75E-4 1.65E-3 excludin aw mate on-rener aw mate e secon	C2  0.00 0.00 0.00 0.08 0.08 0.08 0.00 5.33E-7 5.58E-6 7.87E-6 g renewa	C3/3  0.06  0.00  0.06  0.29  0.00  3.86E-6  4.02E-5  1.23E-4  ble prima RT = Tot: mary ene NRT = T; NRSF: water	0.1 0.0 0.1 1.7 0.0 1.7 0.0 1.44 1.2.28 ary energy resortal use rgy resortal use Use	1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C4/2  0.07  0.00  0.07  2.16  0.00  78E-5  76E-4  05E-2  sources ewable sa used on-renewa	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 0.00 -0.31 -3.12 0.00 -3.12 0.00 -3.40E-5 -3.56E-4 -6.18E-4 s raw ma energy renaterials; imary en	-0.29 0.00 -0.29 -1.36 0.00 -1.36 0.00 -1.80E-5 -1.88E-4	-2.92 0.00 -2.92 -29.78 0.00 -29.78 0.00 -3.25E-4 -3.39E-3 -5.90E-3 ERM = U PENRE = Use of ources; S	-0.35 -0.00 -0.35 -58.60 0.00 -58.60 0.00 -4.81E-5 -5.05E-4 -4.69E-3 se of = Use of non-
Parame PER PERI PENF PENF SM RSF NRS FW  Captio	E M T RE RM RT F rene of se	Mil	A1-A3 21.76 0.00 21.76 129.16 129.16 150.96 180.12 1.03 2.78E-3 1.03 2.78E-3 Use of rerimary er wable primary er wateria	0.08 0.00 0.08 1.41 0.00 1.41 0.00 0.39E-6 0.83E-5 1.39E-4 errgy resimary energy result;	A5 4.55 0.00 4.55 22.77 0.00 22.77 0.09 3.02E-4 3.43E-3 5.63E-3 e primary sources unergy excessources under the excessor e	B1  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	B2 0.72 0.00 0.72 8.22 0.00 5.08E-5 5.75E-4 1.65E-3 excludin aw mate on-rener aw mate e secon	C2 0.00 0.00 0.00 0.00 0.08 0.00 0.08 0.00 5.33E-7 5.58E-6 7.87E-6 g renewa prials; PEI wable prir	C3/3  0.06  0.00  0.06  0.29  0.00  3.86E-6  4.02E-5  1.23E-4  ble prima RT = Tot: mary ene NRT = T; NRSF: water	0.1 0.0 0.1 1.7 0.0 1.7 0.0 1.44 1.2.28 ary energy resortal use rgy resortal use Use	1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C4/2  0.07  0.00  0.07  2.16  0.00  78E-5  76E-4  05E-2  sources ewable sa used on-renewa	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 0.00 -0.31 -3.12 0.00 -3.12 0.00 -3.40E-5 -3.56E-4 -6.18E-4 s raw ma energy renaterials; imary en	-0.29 0.00 -0.29 -1.36 0.00 -1.80E-5 -1.88E-4 -5.74E-4 terials; Plessources; PENRM ergy resc	-2.92 0.00 -2.92 -29.78 0.00 -29.78 0.00 -3.25E-4 -3.39E-3 -5.90E-3 ERM = U PENRE = Use of ources; S	-0.35 -0.00 -0.35 -58.60 0.00 -58.60 0.00 -4.81E-5 -5.05E-4 -4.69E-3 se of = Use of non-
Parame PER PERI PENF PENF PENF SM RSF NRS FW  Captio	E M T RE RM RT Frene of se	Unit  [MJ]  2  [MJ]  3  [m³]  4  PERE =  ewable p  non-rene  ewable p  condany	A1-A3  21.76  0.00  21.76  0.00  21.76  50.96  180.12  1.03  2.78E-3  1.08E-2  1.10E-2  1.09e of reimary erry wable primary erry materia	0.08 0.00 0.08 1.41 0.00 0.00 1.41 0.00	A5 4.55 0.00 4.55 22.77 0.00 22.77 0.09 3.02E-4 3.43E-3 5.63E-3 sources unergy excessources under the control of the control o	B1 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	B2 0.72 0.00 0.72 8.22 0.00 8.22 0.00 5.08E-5 1.65E-3 excluding aw mate e secon	C2 0.00 0.00 0.00 0.00 0.00 0.08 0.08 0.0	C3/3  0.06  0.00  0.06  0.00  0.29  0.00  3.86E-6  4.02E-5  1.23E-4  ble prima RT = Total rary ene NRT = T; NRSF: water	C4i 0.1 0.0 0.1 1.7 1.7 0.0 1.7 1.7 0.0 1.44i 3.01i 2.28ii use al use crgy res	M 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C4/2  0.07 0.00 0.07 2.16 0.00 2.16 0.00 78E-5 76E-4 05E-2 sources ewable s used on-rene -renewa	C4/3  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.00 -0.31 -0.31 -3.12 0.00 -3.40E-5 -3.56E-4 -6.18E-4 se raw ma energy re naterials; imary en	-0.29 -0.00 -0.29 -1.36 0.00 -1.36 0.00 -1.80E-5 -1.88E-4 -5.74E-4 terials; PP pesources; PENRM ergy resc els; FW =	-2.92 0.00 -2.92 -29.78 0.00 -29.78 0.00 -3.25E-4 -3.339E-3 -5.90E-3 ERM = U PENRE = Use of surces; S	-0.35 -0.00 -0.35 -58.60 0.00 -58.60 0.00 -4.81E-5 -5.05E-4 -4.69E-3 se of = Use of non- M = Use net fresh
Parame PER PERI PENF PENF SM RSF NRS FW Captio	E MM T T T T EE MM RT F F F F F F F F F F F F F F F F F F	Unit  [MJ] [MJ] [MJ] [MJ] [MJ] [MJ] [MJ] [MJ	A1-A3  21.76  0.00  21.76  0.00  21.76  50.96  180.12  1.03  2.78E-3  3.08E-2  Use of rerimary eriwable primary ery materia  IE LCA	0.08 0.00 0.00 0.08 1.41 0.00 1.41 0.00 9.39E-6 9.83E-5 1.39E-4 ergy resimary energy resimary energy resimary en	A5 4.55 0.00 4.55 22.77 0.00 22.77 0.09 3.02E-4 3.43E-3 5.63E-3 e primary sources unergy excessources to Use of recommendations of the commendation of the commendatio	B1  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	B2 0.72 0.00 0.72 8.22 0.00 8.22 0.00 5.08E-5 5.75E-4 1.65E-3 excluding aw mate on-reneraw mature secon	C2  0.00 0.00 0.00 0.00 0.00 0.08 0.00 0.00 0.5.33E-7 5.58E-6 g renewa erials; PEI wable prirerials; PE dary fuels  D WAST	C3/3  0.06 0.00 0.06 0.29 0.00 0.29 0.00 3.86E-6 4.02E-5 1.23E-4 ble prima RT = Tot: nary ene NRT = T; NRSF: water TE CA	C4i 0.1 0.0 0.1 1.7 0.0 1.7 0.0 1.44i 3.011 3.011 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1	M (1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C4/2  0.07  0.00  0.07  0.00  0.07  2.16  0.00  2.16  0.00  78E-5  76E-4  05E-2  sources  ewable s used  bn-rene -renewa	C4/3  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	-0.31 0.00 -0.31 -0.31 -3.12 0.00 -3.40E-5 -3.56E-4 -6.18E-4 s raw ma energy renaterials; imary en	-0.29 0.00 -0.29 -1.36 0.00 -1.36 0.00 -1.80E-5 -1.88E-4 -5.74E-4 terials; Plesources; PENRM ergy rescels; FW =	-2.92 0.00 -2.92 -29.78 0.00 -29.78 0.00 -3.25E-4 -3.39E-3 -5.90E-3 ERM = U PENRE = Use of ources; S = Use of 1	-0.35 -0.00 -0.35 -58.60 -0.00 -58.60 -0.00 -4.81E-5 -5.05E-4 -4.69E-3 se of = Use of non- M = Use net fresh
Parame PER PERI PENF PENF PENF SM RSF NRS FW  Captio	E MM T T T T T T T T T T T T T T T T T T	Unit  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  2  [MJ]  2  Example percondary  OF The covering the secondary  Unit  [kg]  2	A1-A3 21.76 0.00 21.76 0.00 21.76 50.96 180.12 1.03 2.78E-3 9.308E-2 1.10E-2 1.10se of rerimary eriwable primary eriwable primary erimary erim	0.08 0.00 0.00 0.08 1.41 0.00 1.41 0.00 3.39E-5 1.39E-4 enewable imary energy re- irregy re- irregy re- irregy re- irregy re-	A5 4.55 0.00 4.55 22.77 0.00 22.77 0.09 3.02E-4 3.43E-3 5.63E-3 e primary sources unergy excessources to Use of recommendation of the commendation	B1 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	B2 0.72 0.00 0.72 8.22 0.00 8.22 0.00 5.08E-5 5.75E-4 1.65E-3 excluding aw mate execution away mate execution away mate execution away materials and execution away materials awa	C2 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	C3/3  0.06  0.00  0.06  0.29  0.00  0.29  0.00  3.86E-6  4.02E-5  1.23E-4  ble prima RT = Tot mary ene NRT = T; NRSF: water  C3/3  0.00E+0	C4i 0.1 0.0 0.0 0.1 1.7 0.0 1.7 0.0 1.44i 3.011 2.28i use al use 1	M (1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C4/2  0.07 0.00 0.07 2.16 0.00 2.16 0.00 78E-5 76E-4 05E-2 sources ewable s used on-rene -renewa	C4/3  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00E+0  0.00E+0  able seco	-0.31 0.00 -0.31 -3.12 0.00 -3.12 0.00 -3.40E-5 -3.56E-4 -6.18E-4 s raw ma energy renaterials; imary enondary fu	-0.29 0.00 -0.29 -1.36 0.00 -1.36 0.00 -1.80E-5 -1.88E-4 -5.74E-4 terials; Pesources; PENRM ergy rescels; FW =	-2.92 0.00 -2.92 -29.78 0.00 -29.78 0.00 -3.25E-4 -3.39E-3 -5.90E-3 ERM = U PENRE = Use of purces; S = Use of 1	-0.35 -0.00 -0.35 -58.60 -0.00 -58.60 -0.00 -4.81E-5 -5.05E-4 -4.69E-3 se of = Use of non- M = Use net fresh
Parame PER PERI PENF PENF PENF SM RSF NRS FW  Captio	E M T T T T T T T T T T T T T T T T T T	Unit  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  2  [MJ]  3  [m³]  4  PERE = ewable peron-rene ewable perondary  OF The covering the cove	A1-A3  21.76  0.00  21.76  0.00  21.76  50.96  180.12  1.03  2.78E-3  1.08E-2  1.10E-2  1.09E-0  Materia  A1-A3  2.90E-5  1.12E-2  1.12E-2	0.08 0.00 0.08 0.00 1.41 0.00 1.41 0.00 1.41 0.00 1.41 0.00 1.39E-4 1.39E-4 1.39E-4 1.39E-4 1.39E-4 1.39E-4 1.4	A5 4.55 0.00 4.55 22.77 0.00 22.77 0.09 3.02E-4 3.43E-3 5.63E-3 e primary sources usergy excessources to Use of notes that the control of the	B1 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	B2 0.72 0.00 0.72 8.22 0.00 5.08E-5 5.75E-4 1.65E-3 excluding on-reneraw matter e secon    B2 0.00E+6 6.22E-1	2 floor 0	C3/3  0.06  0.00  0.06  0.00  0.29  0.00  3.86E-6  4.02E-5  1.23E-4  ble prima RT = Total rary ene NRT = T; NRSF: water  C3/3  0.00E+C  6.78E-2	C4i 0.1 0.00 0.1 1.7 0.00 1.444 3.011 2.288 1 use 1 use 1 Use 1 Use 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000	M	C4/2  0.07  0.00  0.07  2.16  0.00  2.16  0.00  78E-5  76E-4  05E-2  sources  ewable s used on-rene -renewas	C4/3  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00E+0  0.00E+0  as raw m wable pr able seco	D -0.31 0.00 -0.31 3.12 0.00 -3.40E-5 3.56E-4 6.18E-4 s raw ma energy renaterials; imary enondary fu	-0.29 0.00 -0.29 -1.36 0.00 -1.36 0.00 -1.80E-5 -1.88E-4 -5.74E-4 terials; P esources; PENRM ergy resc els; FW =	-2.92 0.00 -2.92 -29.78 0.00 -29.78 0.00 -3.25E-4 -3.39E-3 -5.90E-3 ERM = U PENRE = Use of 1	-0.35 -0.00 -0.35 -58.60 0.00 -58.60 0.00 -4.81E-5 -5.05E-4 -4.69E-3 se of = Use of non- M = Use net fresh -0.00
Parame PER PERI PENF PENF PENF SM RSF NRS FW  Captio	E WW TT T REE RMM RTT F F F F F F F F F F F F F F F F F F	Unit  [MJ]	A1-A3  21.76  0.00  21.76  0.00  21.76  50.96  180.12  1.03  2.78E-3  1.08E-2  1.10E-2  Use of rerimary erry wable primary erry materia  HE LCA  1.03  2.90E-5  1.12E-2  2.60E-3	0.08 0.00 0.08 1.41 0.00 0.00 1.41 0.00	A5 4.55 0.00 4.55 22.77 0.00 22.77 0.09 3.02E-4 3.43E-3 5.63E-3 e primary sources usergy exceptions of the primary excepti	B1 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	B2 0.72 0.00 0.72 8.22 0.00 8.22 0.00 5.08E-5 5.75E-4 1.65E-3 excluding aw mate e secon S ANE B2 0.00E+6 6.22E-1 3.96E-4	2 floor C	C3/3  0.06  0.00  0.06  0.29  0.00  3.86E-6  4.02E-5  1.23E-4  bet primary ene NRT = Total nary ene	C4i 0.1 0.0 0.1 1.7 0.0 0.0 1.7 0.0 0.0 1.7 0.0 0.0 1.7 0.0 0.0 1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  1.44  2.28  2.28  2.28  2.28  2.28  2.28  2.28  2.28	M	C4/2  0.07  0.00  0.07  2.16  0.00  2.16  0.00  2.16  0.00  78E-5  76E-4  05E-2  sused bn-rene renewals  S:  C4/2  00E+0  50E-1  42E-5	C4/3  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00E+0  0.00E+0  as raw m wable primary wable	D -0.31 0.00 -0.31 3.12 0.00 -3.12 0.00 -3.40E-5 -3.56E-4 -6.18E-4 s raw ma energy renaterials; imary enondary fu	0.29 0.00 -0.29 -1.36 0.00 -1.80E-5 -1.88E-4 -5.74E-4 terials; Plasources; Pornces; Pornces; FW =	-2.92 0.00 -2.92 -29.78 0.00 -29.78 0.00 -3.25E-4 -3.39E-3 -5.90E-3 ERM = U PENRE = Use of I	-0.35 0.00 -0.35 -58.60 0.00 -58.60 0.00 -4.81E-5 -5.05E-4 -4.69E-3 se of = Use of non- M = Use net fresh -0.00
Parame PER PERI PENF PENF PENF SM RSF NRS FW  Captio	E M T T RE REPORTED TO SERVICE TO	Unit  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  2  [MJ]  3  [m³]  4  PERE = ewable peron-rene ewable perondary  OF The covering the cove	A1-A3  21.76  0.00  21.76  0.00  21.76  50.96  180.12  1.03  2.78E-3  1.08E-2  1.10E-2  1.09E-0  Materia  A1-A3  2.90E-5  1.12E-2  1.12E-2	0.08 0.00 0.08 0.00 1.41 0.00 1.41 0.00 1.41 0.00 1.41 0.00 1.39E-4 1.39E-4 1.39E-4 1.39E-4 1.39E-4 1.39E-4 1.4	A5 4.55 0.00 4.55 22.77 0.00 22.77 0.09 3.02E-4 3.43E-3 5.63E-3 e primary sources usergy excessources to Use of notes that the control of the	B1 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	B2 0.72 0.00 0.72 8.22 0.00 5.08E-5 5.75E-4 1.65E-3 excluding on-reneraw matter e secon    B2 0.00E+6 6.22E-1	2 floor 0	C3/3  0.06  0.00  0.06  0.00  0.29  0.00  3.86E-6  4.02E-5  1.23E-4  ble prima RT = Total rary ene NRT = T; NRSF: water  C3/3  0.00E+C  6.78E-2	C4i 0.1 0.00 0.1 1.7 0.00 1.444 3.011 2.288 1 use 1 use 1 Use 1 Use 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000 1 0.000	M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C4/2  0.07  0.00  0.07  2.16  0.00  2.16  0.00  78E-5  76E-4  05E-2  sources  ewable s used on-rene -renewas	C4/3  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00E+0  0.00E+0  as raw m wable pr able seco	D -0.31 0.00 -0.31 3.12 0.00 -3.40E-5 3.56E-4 6.18E-4 s raw ma energy renaterials; imary enondary fu	-0.29 0.00 -0.29 -1.36 0.00 -1.36 0.00 -1.80E-5 -1.88E-4 -5.74E-4 terials; P esources; PENRM ergy resc els; FW =	-2.92 0.00 -2.92 -29.78 0.00 -29.78 0.00 -3.25E-4 -3.39E-3 -5.90E-3 ERM = U PENRE = Use of 1	-0.35 -0.00 -0.35 -58.60 0.00 -58.60 0.00 -4.81E-5 -5.05E-4 -4.69E-3 se of = Use of non- M = Use net fresh -0.00
Parame PER PERI PENF PENF SM RSF NRSS FW  Captio	E MUTT TELECOME TO THE PROPERTY OF SECOND TO	Unit  [MJ]	A1-A3  21.76  0.00  21.76  129.16  50.96  180.12  1.03  2.78E-3  3.08E-2  Use of rerimary erimary erim	0.08 0.00 0.00 0.08 1.41 0.00 1.41 0.00 1.41 0.00 1.41 0.00 1.41 0.00 1.41 0.00 1.41 0.00 1.41 0.00 1.41 0.00 1.41 0.00 0.39E-6 0.39E-6 0.39E-6 0.39E-6 0.39E-6 0.08E-0 0.39E-0 0.3	A5 4.55 0.00 4.55 0.00 4.55 0.00 4.55 0.00 4.55 0.00 22.77 0.09 3.02E-4 5.63E-3 e primary sources u usergy excessources to Use of reconstruction of the control of the cont	B1  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	B2 0.72 0.00 0.72 8.22 0.00 8.22 0.00 5.08E-6 1.65E-3 excluding aw mate on-renew mate e secon    S ANE B2 0.00E+6 0.20E-1 3.96E-4 0.00	C2 0.00 0.00 0.00 0.00 0.08 0.00 0.08 0.00 0.558E-6 7.87E-6 g renewa srials; PEI wable prirerials; PE dary fuels  C2 0.000E+0 0.0	C3/3  0.06  0.00  0.06  0.29  0.00  3.86E-6  4.02E-5  1.23E-4  ble prima RT = Total rary ene NRT = Total rary ene	C4.  0.1 0.0 0.1 1.7 0.0 1.7 0.0 1.7 0.0 1.4441 2.2881 12 e Use  C4.  C4.  C4.  C4.  C4.  C4.  C4.  C4	M	C4/2  0.07  0.00  0.07  0.00  0.07  2.16  0.00  2.16  0.00  78E-5  sources ewable s used on-rene -renewa  S:  C4/2  00E+0  50E-1  42E-5  0.00	C4/3  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00E+0  as raw m wable primary of the second of the	D -0.31 0.00 -0.31 -3.12 0.00 -3.12 0.00 -3.40E-5 -3.56E-4 -6.18E-4 s raw ma energy re naterials; imary en ondary fu	-0.29 -0.00 -0.29 -1.36 0.00 -1.36 0.00 -1.80E-5 -1.88E-4 -5.74E-4 terials; Plesources; PENRM ergy resc els; FW =	-2.92 0.00 -2.92 -29.78 0.00 -29.78 0.00 -3.25E-4 -3.39E-3 -5.90E-3 ERM = U PENRE = Use of surces; S = Use of surces; S = 0.00E+0 -3.23E+0 -2.08E-3 0.00	-0.35 0.00 -0.35 -58.60 0.00 -58.60 0.00 -4.81E-5 -5.05E-4 -4.69E-3 Ise of = Use of non- M = Use net fresh -0.00E+0 -4.36E+1 -9.09E-5 0.00
Parame PER PERI PENF PENF PENF SM RSF NRS FW  Captio	E MM T T T T T T T T T T T T T T T T T T	Unit  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  2  PERE =  ewable peron-rene  ewable peron-rene  wable perondary  OF The covering  Unit  [kg] 2  [kg] 4  [kg] 2  [kg] [kg]  [kg] [kg]  [kg] [MJ]	A1-A3 21.76 0.00 21.76 0.00 21.76 0.00 21.76 50.96 180.12 1.03 2.78E-3 9.308E-2 9.10E-2 9.10E-3 9.10E-2 9.10E-2 9.10E-2 9.10E-2 9.10E-2 9.10E-2 9.10E-2 9.10E-3 9.10E-2 9.10E-3 9.10E-2 9.10E-3 9.10E-	0.08 0.00 0.08 0.00 0.08 1.41 0.00 1.41 0.00 3.39E-6 0.88E-5 1.39E-4 enewable lergy resimary energy resimany energy energ	A5 4.55 0.00 4.55 22.77 0.00 22.77 0.09 3.02E-4 3.43E-3 5.63E-3 e primary sources unergy excessources under the primary excessor	B1 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	B2 0.72 0.00 0.72 8.22 0.00 8.22 0.00 5.08E-5 5.75E-4 1.65E-3 excluding aw mate e second SANI B2 0.00E+6 6.22E-1 3.96E-4 0.00 0.00 0.00 0.00	C2  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	C3/3  0.06 0.00 0.06 0.09 0.29 0.00 0.3.86E-6 4.02E-5 10.86F-7 10.	C44  0.1 1.7  0.0 0.0  1.7  1.7  0.0 0.0  1.444  3.011  2.2881  1.9 0.008  C44  C44  C44  0.000  0.000  0.000  0.000  0.000	M	C4/2  0.07 0.00 0.07 2.16 0.00 2.16 0.00 2.16 0.00 78E-5 76E-4 05E-2 sources ewable s used on-rene -renewa  S:  C4/2  00E+0 50E-1 42E-5 0.00 0.00 0.00 0.00 5.75	C4/3  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	D -0.31 0.00 -0.31 -3.12 0.00 -3.40E-5 -3.56E-4 -6.18E-4 s raw materials; imary en ondary fu	-0.29 -0.00 -0.29 -1.36 -0.00 -1.36 -0.00 -1.80E-5 -1.88E-4 -5.74E-4 terials; Plesources; PENRM ergy resciels; FW =	-2.92 -0.00 -2.92 -29.78 0.00 -29.78 0.00 -3.25E-4 -3.39E-3 -5.90E-3 ERM = U PENRE = Use of surces; S = Use of surces; S -2.08E-3 0.00 0.00 0.00 0.00 0.00	-0.35 -0.00 -0.35 -58.60 -0.00 -58.60 -0.00 -58.60 -0.00 -4.81E-5 -5.05E-4 -4.69E-3 se of = Use of non- M = Use net fresh -0.00E+0 -4.36E+1 -9.09E-5 -0.00 -0.00 -0.00
Parame PER PENF PENF PENF SM RSF FW Captio	E MM T T T T T T T T T T T T T T T T T T	Unit  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  [MJ]  2  PERE =  ewable perion-rene  ewable perion-rene  wable perion-ren	A1-A3 21.76 0.00 21.76 0.00 21.76 0.00 21.76 50.96 180.12 1.03 2.78E-3 9.308E-2 1.10E-2 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	A4  0.08 0.00 0.08 1.41 0.00 1.41 0.00 3.39E-6 3.83E-5 1.39E-4 enewable tergy resimary energy re- l; RSF =  A-OU  A4  0.00E+0 5.32E-3 1.93E-6 0.00 0.00 0.00 0.00	A5 4.55 0.00 4.55 22.77 0.00 22.77 0.09 3.02E-4 3.43E-3 5.63E-3 e primary sources unergy excessources under the primary excessor exce	B1 0.00E+0 0.0	B2 0.72 0.00 0.72 8.22 0.00 8.22 0.00 5.08E-5 5.75E-4 1.65E-3 excluding aw mate excluding aw material exclusion away material excl	C2  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	C3/3  0.06 0.00 0.06 0.09 0.29 0.00 3.86E-6 4.02E-5 1.23E-4 ble prima RT = Total rary ene NRT = T syntax vater C3/3  0.00E+0 6.78E-2 4.37E-5 0.00 0.00 0.00 0.00	C4.  0.1 1.7 0.0 0.0 1.7 0.0 0.0 1.7 0.0 0.0 1.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	M	C4/2  0.07 0.00 0.07 2.16 0.00 2.16 0.00 2.16 0.00 78E-5 76E-4 05E-2 sources ewable s used on-rene -renewa  S:  C4/2  00E+0 50E-1 42E-5 0.00 0.00 0.00 5.75 12.92	C4/3  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	D -0.31 0.00 -0.31 -3.12 0.00 -3.40E-5 -3.56E-4 -6.18E-4 s raw materials; imary en ondary fu	-0.29 -0.00 -0.29 -1.36 -0.00 -1.36 -0.00 -1.88E-4 -5.74E-4 terials; Plesources; PENRM ergy resciels; FW =	-2.92 0.00 -2.92 -29.78 0.00 -29.78 0.00 -3.25E-4 -3.39E-3 -5.90E-3 ERM = U PENRE = Use of surces; S = Use of surces; S = Use of surces; S = 0.00 0.00E+0 -3.23E+0 -2.08E-3 0.00 0.00 0.00 0.00 0.00	-0.35 -0.00 -0.35 -58.60 -0.00 -58.60 -0.00 -58.60 -0.00 -4.81E-5 -5.05E-4 -4.69E-3 se of = Use of non- M = Use of non- M = Use net fresh -0.00E+0 -4.36E+1 -9.09E-5 -0.00 -0.00 -0.00 -0.00

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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# VDZ e.V.:

Umweltdaten der deutschen Zementindustrie 2013



# **Publisher**

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# Owner of the Declaration

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