

ENVIRONMENTAL PRODUCT DECLARATION

as per /ISO 14025/ and /EN 15804/

Owner of the Declaration	Interface Europe Manufacturing BV
Programme holder	Institut Bauen und Umwelt e.V. (IBU)
Publisher	Institut Bauen und Umwelt e.V. (IBU)
Declaration number	EPD-INT-20180128-CBC1-EN
Issue date	08/10/2018
Valid to	07/10/2023

Modular carpet tiles

maximum total pile weight 860 g/m²

pile material polyamide 6.6, continuous dyed,
Graphlex® backing system

Interface®

www.ibu-epd.com / <https://epd-online.com>



General Information

Interface®	Modular carpet tiles max. total pile weight 860 g/m ² pile material PA 6.6 , continuous dyed, Graphlex® backing system						
Programme holder IBU - Institut Bauen und Umwelt e.V. Panoramastr. 1 10178 Berlin Germany	Owner of the declaration Interface Europe Manufacturing BV Industrielaan 15 3925 ZG Scherpenzeel The Netherlands						
Declaration number EPD-INT-20180128-CBC1-EN	Declared product / declared unit 1 m ² tufted modular carpet tiles having a surface pile of polyamide 6.6 and a Graphlex® backing system						
This declaration is based on the product category rules: Floor coverings, 02/2018 (PCR checked and approved by the SVR)	Scope: The manufacturer declaration applies to a group of similar products with a maximum total pile weight of 860 g/m ² . The products are tufted in Craigavon, Ireland, or in Scherpenzeel, the Netherlands, and they are back coated in Scherpenzeel. LCA results for product groups having a lower total pile weight can be taken from the corresponding tables of the annex. Specific data can be calculated by using equation 1 given in the annex (see annex chapter: 'General Information on the annex'). The declaration is only valid in conjunction with a valid GUT-/PRODIS/ license of the product. 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.						
Issue date 08/10/2018							
Valid to 07/10/2023							
 Prof. Dr.-Ing. Horst J. Bossenmayer (President of Institut Bauen und Umwelt e.V.)  Dipl. Ing. Hans Peters (Head of Board IBU)	Verification <table border="1"> <tr> <td colspan="2">The standard /EN 15804/ serves as the core PCR</td> </tr> <tr> <td colspan="2">Independent verification of the declaration and data according to /ISO 14025:2010/</td> </tr> <tr> <td>☐ internally</td> <td>☒ externally</td> </tr> </table>  Angela Schindler (Independent verifier appointed by SVR)	The standard /EN 15804/ serves as the core PCR		Independent verification of the declaration and data according to /ISO 14025:2010/		☐ internally	☒ externally
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☐ internally	☒ externally						

Product

Product description / Product definition

Tufted modular carpet tiles having a surface pile of continuous dyed polyamide 6.6 and a Graphlex® backing system.

Graphlex® backing system:

Backing compound based on bitumen, containing recycled filler, glass-fleece reinforcement and polypropylene covering fleece.

Based on a total weight of 4214 g/m² the recycled content amounts to 40%

The declaration applies to a group of products with a maximum total pile weight of 860 g/m².

LCA results are calculated for products with the maximum total pile weight.

LCA results for product groups having a lower total pile weight can be taken from the corresponding tables of the annex.

The LCA results always refer to the highest total pile weight of the corresponding pile weight category. Results for similar products with any other total pile weight can be calculated by using equation 1 given in the annex (see annex chapter: 'General Information on the annex').

For the placing on the market of the product in the EU/EFTA (with the exception of Switzerland) Regulation (EU) No. 305/2011 /CPR/ applies. The Declaration of Performance of the products taking into consideration /EN 14041/ and the CE-marking of the products can be found on the manufacturer's technical information section.

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

Name	Value	Unit
Product Form	Modular carpet tiles 50 cm x 50 cm	-
Type of manufacture	Tufted tiles	-
Yarn type	PA 6.6, continuous dyed	-
Secondary backing	Graphlex® backing system	-
Total pile weight	max. 860	g/m ²
Total carpet weight	max. 4214	g/m ²

Additional product properties in accordance with /EN 1307/ and performance data of the product in accordance with the Declaration of Performance with respect to its Essential Characteristics according to /EN 14041/ 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.interface.com).

Base materials / Ancillary materials

Name	Value	Unit
Polyamide 6.6	20,4	%
Polyamid 6	0,5	%
Polyester	1,6	%
Polypropylene	1,2	%
Limestone	40	%
Aluminiumhydroxide	12	%
Polymere dispersion (dry mass)	6	%
Modified bitumen	16,9	%
Glass fibre	0,8	%
Additives	0,6	%

The products are registered in the GUT-/PRODIS/ Information System. The /PRODIS/ system ensures the compliance with limitations of various chemicals and VOC-emissions and a ban on use of all substances that are listed as 'Substances of Very High Concern' (SVHC) under /REACH/.

Reference service life

A calculation of the reference service life according to /ISO 15686/ is not possible.

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	0.24	-
Mass reference	4.21	kg/m ²

The declared unit refers to 1 m² produced textile floor covering. Output of module A5 'Assembly' is 1 m² installed textile floor covering.

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). Benefits for generated electricity and steam due to the incineration of production waste are aggregated.

A4 Transport:

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

A5 Installation:

Installation of the textile floor covering, processing of installation waste and packaging waste 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.

Generated electricity and steam due to the incineration of waste are listed in the result table as exported energy.

Preparing of the floor and auxiliary materials

(adhesives, fixing agents, PET connectors) are beyond the system boundaries and not taken into account.

B1 Use:

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 (see annex, chapter 'General information on use stage').

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: Landfill disposal need no waste processing.

C3-2: Impact from waste incineration (plant with $R1 > 0.6$), generated electricity and steam are listed in the result table as exported energy.

C3-3: Collection of the carpet waste for recovery in the cement industry, waste processing (granulating).

C4 Disposal

C4-1: Impact from landfill disposal,

C4-2: The carpet waste leaves the system in module C3-2,

C4-3: The pre-processed carpet waste leaves the system in module C3-3

D Recycling potential:

D-A5: Benefits for generated energy due to incineration of packaging and installation waste (incineration plant with $R1 > 0.6$),

D-1: Benefits for generated energy due to landfill disposal of carpet waste at the end-of-life,

D-2: Benefits for generated energy due to incineration of carpet waste at the end-of-life (incineration plant with $R1 > 0.6$),

D-3: Benefits for saved fossil energy and saved inorganic material due to recovery of the carpet in a cement plant at the end-of-life, 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.

Background data are taken from the /GaBi database 2018/, service pack 36 and from the /ecoinvent 3.4/ database.

LCA: Scenarios and additional technical information

The following information refer to the declared modules and are the basis for calculations or can be used for further calculations. The indicated values refer to the declared functional unit of all products with a maximum total pile weight of 860 g/m².

Specific information on products having a lower total pile weight can be taken from the annex.

Transport to the construction site (A4)

Name	Value	Unit
Litres of fuel (truck, EURO 0-6 mix)	0.0071	l/100km
Transport distance	700	km
Capacity utilisation (including empty runs)	85	%

Installation in the building (A5)

Name	Value	Unit
Material loss	0.13	kg

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

Preparation of the floor and auxiliaries (adhesives, fixing agents, PET connectors, etc.) are not taken into account.

Maintenance (B2)

Indication per m² floor covering and per year. Depending on the application based on EN ISO 10874, the technical service life recommended by the manufacturer and the anticipated strain on the floor by customers, the case-specific useful life can be established. The effects of Module B2 need to be calculated on the basis of this useful life in order to obtain the overall environmental impacts (see annex, chapter 'General Information on use stage').

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.interface.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 disposal

Scenario 2: 100% municipal waste incineration (MWI) with $R1 > 0.6$

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)	4.21	kg
Collected separately (scenario 3)	4.21	kg
Landfilling (scenario 1)	4.21	kg
Energy recovery (scenario 2)	4.21	kg
Energy recovery (scenario 3)	1.99	kg
Recycling (scenario 3)	2.22	kg

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

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

Recycling in the cement industry (scenario 3)

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The organic material of the carpet is used as secondary fuel in a cement kiln. It mainly substitutes for lignite (62.2%), hard coal (27.3%) and petrol coke (10.5%).

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

LCA: Results

The results are valid for all declared products with a maximum total pile weight of 860 g/m².

LCA results for product groups having a lower total pile weight can be taken from the corresponding tables of the annex. The LCA results always refer to the highest total pile weight of the corresponding pile weight category. Results for similar products with any other total pile weight can be calculated by using equation 1 given in the annex (see annex chapter: 'General Information on the annex').

The declared result figures in module B2 have to be multiplied by the assumed service life (in years) of the floor covering in the building under consideration (see annex, chapter 'General Information on use stage').

Information on un-declared modules:

Modules B3 - B7 are not relevant during the service life of the carpet and are therefore not declared.

Modules C1, C3/1, C4/2 and C4/3 cause no additional impact (see "LCA: Calculation rules") and are therefore not declared. Module C2 represents the transport for scenarios 1, 2 and 3. Column D represents module D/A5.

The CML characterisation factors version January 2016 are applied.

DESCRIPTION OF THE SYSTEM BOUNDARY (X = INCLUDED IN LCA; MND = MODULE NOT DECLARED)

PRODUCT STAGE			CONSTRUCTION PROCESS STAGE		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 demolition	Transport	Waste processing	Disposal	
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	X	X	X	MNR	MNR	MNR	MND	MND	MND	X	X	X	X

RESULTS OF THE LCA - ENVIRONMENTAL IMPACT: 1 m² floorcovering

Parameter	Unit	A1-A3	A4	A5	B1	B2	C2	C3/2	C3/3	C4/1	D	D/1	D/2	D/3
GWP	[kg CO ₂ -Eq.]	1.34E+1	1.80E-1	6.13E-1	0.00E+0	3.40E-1	9.82E-3	5.59E+0	2.43E-2	2.96E-1	-7.98E-2	0.00E+0	-2.40E+0	-5.94E-1
ODP	[kg CFC11-Eq.]	7.08E-9	4.93E-15	2.03E-10	0.00E+0	1.26E-8	2.70E-16	1.75E-13	1.08E-13	7.99E-14	-1.73E-13	0.00E+0	-5.21E-12	-3.26E-13
AP	[kg SO ₂ -Eq.]	2.19E-2	7.41E-4	7.44E-4	0.00E+0	1.30E-3	4.06E-5	3.01E-3	6.30E-5	7.87E-4	-1.24E-4	0.00E+0	-3.74E-3	-2.38E-3
EP	[kg (PO ₄) ³ -Eq.]	3.63E-3	1.87E-4	1.33E-4	0.00E+0	3.25E-4	1.02E-5	7.54E-4	6.26E-6	8.24E-4	-1.40E-5	0.00E+0	-4.22E-4	-2.47E-4
POCP	[kg ethene-Eq.]	2.41E-3	-3.07E-4	6.53E-5	6.29E-5	1.64E-4	-1.68E-5	1.94E-4	4.32E-6	8.84E-5	-1.05E-5	0.00E+0	-3.16E-4	-2.78E-4
ADPE	[kg Sb-Eq.]	4.06E-6	1.35E-8	1.18E-7	0.00E+0	1.02E-6	7.38E-10	3.48E-8	1.24E-8	3.22E-8	-2.16E-8	0.00E+0	-6.49E-7	-7.98E-8
ADPF	[MJ]	2.51E+2	2.46E+0	7.36E+0	0.00E+0	6.80E+0	1.35E-1	2.44E+0	2.59E-1	4.29E+0	-1.10E+0	0.00E+0	-3.31E+1	-7.60E+1
Caption	GWP = Global warming potential; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential of land and water; EP = Eutrophication potential; POCP = Formation potential of tropospheric ozone photochemical oxidants; ADPE = Abiotic depletion potential for non-fossil resources; ADPF = Abiotic depletion potential for fossil resources													

RESULTS OF THE LCA - RESOURCE USE: 1 m² floorcovering

Parameter	Unit	A1-A3	A4	A5	B1	B2	C2	C3/2	C3/3	C4/1	D	D/1	D/2	D/3
PERE	[MJ]	3.29E+1	1.36E-1	9.61E-1	0.00E+0	1.09E+0	7.45E-3	3.65E-1	1.67E-1	3.31E-1	-2.69E-1	0.00E+0	-8.07E+0	-7.05E-1
PERM	[MJ]	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
PERT	[MJ]	3.29E+1	1.36E-1	9.61E-1	0.00E+0	1.09E+0	7.45E-3	3.65E-1	1.67E-1	3.31E-1	-2.69E-1	0.00E+0	-8.07E+0	-7.05E-1
PENRE	[MJ]	1.91E+2	2.47E+0	7.74E+0	0.00E+0	7.98E+0	1.35E-1	7.54E+1	7.31E+1	4.46E+0	-1.40E+0	0.00E+0	-4.20E+1	-7.66E+1
PENRM	[MJ]	7.27E+1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	-7.27E+1	-7.27E+1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
PENRT	[MJ]	2.64E+2	2.47E+0	7.74E+0	0.00E+0	7.98E+0	1.35E-1	2.75E+0	4.44E-1	4.46E+0	-1.40E+0	0.00E+0	-4.20E+1	-7.66E+1
SM	[kg]	1.90E+0	0.00E+0	5.45E-2	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	2.22E+0
RSF	[MJ]	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
NRSF	[MJ]	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	7.27E+1
FW	[m ³]	5.03E-2	2.51E-4	2.04E-3	0.00E+0	4.45E-3	1.37E-5	1.83E-2	2.27E-4	-1.15E-5	-3.66E-4	0.00E+0	-1.10E-2	-7.13E-3
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 = Use of net fresh water													

RESULTS OF THE LCA – OUTPUT FLOWS AND WASTE CATEGORIES: 1 m² floorcovering

Parameter	Unit	A1-A3	A4	A5	B1	B2	C2	C3/2	C3/3	C4/1	D	D/1	D/2	D/3
HWD	[kg]	2.42E-5	1.43E-7	7.01E-7	0.00E+0	1.26E-9	7.80E-9	1.58E-8	2.08E-10	1.90E-8	-5.69E-10	0.00E+0	-1.71E-8	-4.47E-9
NHWD	[kg]	4.36E-1	2.07E-4	4.24E-2	0.00E+0	8.24E-3	1.13E-5	9.93E-1	3.13E-4	4.20E+0	-5.98E-4	0.00E+0	-1.80E-2	-2.40E-1
RWD	[kg]	5.08E-3	3.38E-6	1.50E-4	0.00E+0	3.95E-4	1.85E-7	1.25E-4	7.35E-5	6.33E-5	-1.18E-4	0.00E+0	-3.55E-3	-2.26E-4
CRU	[kg]	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
MFR	[kg]	0.00E+0	0.00E+0	1.81E-1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	2.22E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
MER	[kg]	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	1.99E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
EEE	[MJ]	0.00E+0	0.00E+0	3.38E-1	0.00E+0	0.00E+0	0.00E+0	1.02E+1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
EET	[MJ]	0.00E+0	0.00E+0	6.16E-1	0.00E+0	0.00E+0	0.00E+0	1.85E+1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
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; EEE = Exported thermal energy													

References

/IBU 2016/

IBU (2016): General Programme Instructions for the Preparation of EPDs at the Institut Bauen und Umwelt e.V., Version 1.1 Institut Bauen und Umwelt e.V., Berlin.
www.ibu-epd.de

/ISO 14025/

DIN EN /ISO 14025:2011-10/, Environmental labels and declarations — Type III environmental declarations — Principles and procedures

/EN 15804/

/EN 15804:2012-04+A1 2013/, Sustainability of construction works — Environmental Product Declarations — Core rules for the product category of construction products

EN 16810

DIN EN 16810: 2017-08: Resilient, textile and laminate floor coverings – Environmental product declarations – Product category rules

PCR Part A

Institut Bauen und Umwelt e.V., Berlin (pub.): Product Category Rules for Construction Products from the range of Environmental Product Declarations of Institut Bauen und Umwelt (IBU), Part A: Calculation Rules for the Life Cycle Assessment and Requirements on the Background Report, V1.7, March 2018
www.bau-umwelt.de

PCR Part B

Institut Bauen und Umwelt e.V., Berlin (pub.): Product Category Rules for Construction Products from the range of Environmental Product Declarations of Institut Bauen und Umwelt (IBU), Part B: Requirements on the EPD for floor coverings, V1.2, February 2018
www.bau-umwelt.de

EN 1307

DIN EN 1307: 2014+A1:2016: Textile floor coverings - Classification

EN 14041

DIN EN 14041: 2008-05: Resilient, textile and laminate floor coverings - Essential characteristics

ISO 10874

DIN EN ISO 10874: 2012-04: Resilient, textile and laminate floor coverings - Classification

EN 13501-1

DIN EN 13501-1:2010-01: Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests

ISO 15686

ISO 15686: Buildings and constructed assets - Service life planning

ISO 15686-1: 2011-05: Part 1: General principles and framework

ISO 15686-2: 2012-05: Part 2: Service life prediction procedures

ISO 15686-7: 2006-03: Part 7: Performance evaluation for feedback of service life data from practice

ISO 15686-8: 2008-06: Part 8: Reference service life and service-life estimation

VDZ e.V.

Umweltdaten der deutschen Zementindustrie 2016

CPR

Construction Products Regulation, Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

PRODIS

Product Information System (PRODIS) of the European Carpet Industry, Gemeinschaft umweltfreundlicher Teppichboden e.V (GUT) and European Carpet and Rug Association (ECRA), <http://www.pro-dis.info>

REACH

Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency (ECHA), European Union Regulation No 1907/2006, June 2017,

GaBi database 2018

GaBi Software-System and Database for Life Cycle Engineering, thinkstep AG, Leinfelden-Echterdingen, service pack 36, 2018

ecoinvent 3.4

ecoinvent, Zurich, Switzerland, Database Version 3.4, 4th October 2017

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Interface®

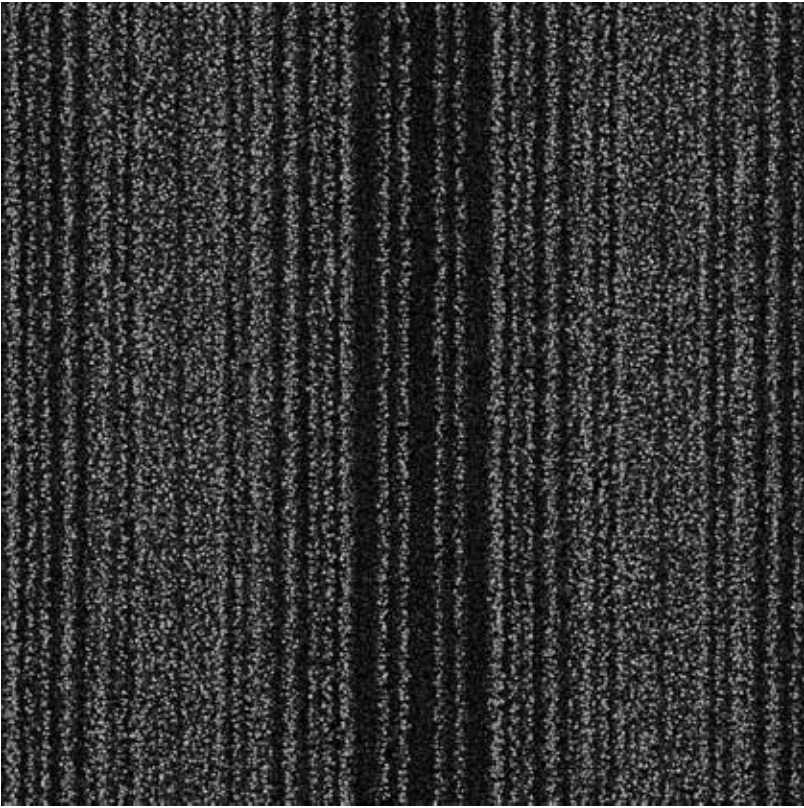
Owner of the Declaration

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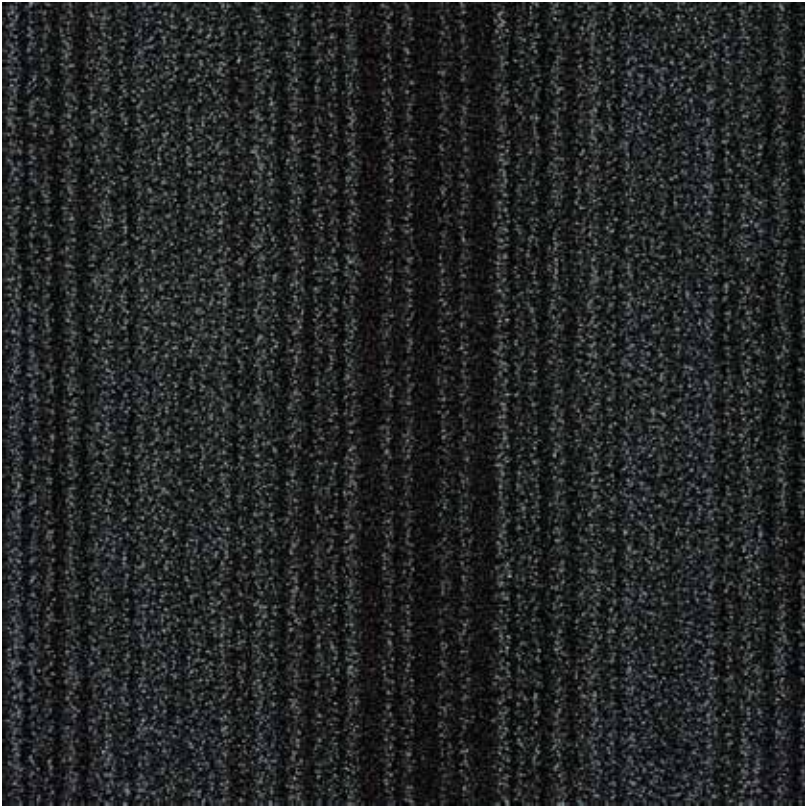
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Barricade One

Interface®



4118001 Grey



4118002 Anthrazite



4118003 Brown





4118003 Brown
Installed: Quarter Turn



4118001 Grey
Installed: Quarter Turn

Product Definition	Tufted Patterned Textured Cut Tile
Konstruktion	Tuftgemusterte texturierte Veloursqualität
Descripción	Moqueta modular tufting pelo cortado con diseño tipo barrera antisuciedad
Description	Dalle de moquette à velours tufté coupé texturé à motifs
Type	Getufte vuilvangtegel
Descrizione	Bouclè tufted strutturato
Pile Material	100% Solution Dyed Nylon
Polfasermaterial	100% Polyamid garngefärbt
Composición Fibra	100% Poliamida tintada en masa
Composition	100% Polyamide Teint en masse
Poolmateriaal	100% Solution Dyed Polyamide
Fibra	100% Poliammide tinta in massa
Pile Yarn Weight / Poleinsatzgewicht / Peso Fibra / Poids de fibre / Poolinzetgewicht / Peso Felpa	750 g/m² ± 5%
Total Weight / Gesamtgewicht / Peso Total / Poids total / Totaalgewicht / Peso Totale	4479 g/m² ± 5%
Effective Pile Yarn Weight / Polschichtgewicht / Peso útil de fibra / Poids de fibre utile Effectief poolgewicht / Peso felpa effettivo	565 g/m² ± 5%
Pile Height / Polschichtdicke / Altura Fibra / Hauteur de la fibre / Poolhoogte / Altezza Felpa	4,0 mm ± 0,3 mm
Total Thickness / Gesamtdicke / Espesor Total / Epaisseur totale / Totale dikte / Altezza Totale	7,9 mm ± 0,5 mm
Gauge/Ends 10 cm / Teilung x 10 cm / Galga x10 cm / Jauge-Rangs par 10 cm / Rijen per 10 cm / Serraggio x 10 cm	1/8 – 36
Tufts per m² / Noppenzahl/m² / Puntadas m² / Densité du tuft par m² / Aantal noppen per m² / Densità Punti	118.800 ± 5%
Backing Type / Rückenkonstruktion / Soorte / Sous-couche / Ruguitvoering / Sottofondo	Graphlex®
Wear Classification / Beanspruchungsklasse / Clasificación al tráfico / Classement d'usage et de confort /Gebruiksintensiteit / Resistenza all'usura	Contract General (EN 1307:32) Class 32 / LC2
Radiant Panel / Schwerentflammbarkeit / Clasificación Al Fuego / Classement feu / De Radiant Panel Test / Valutazione delle proprietà ignifughe	(EN ISO 9239-1) Euroclass Cfl s1 (EN 13501-1)
Dimensional Stability / Dimensionsstabilität / Estabilidad Dimensional / Stabilité dimensionnelle / Dimensioneale stabiliteit / Test Stabilità dimensionale	≤ 0,2% (EN 986)

Style	4118	4m² - 16 tiles per box (50 x 50 cm ± 0,2%)
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EN 14041

CE

DOP: 1037/118729

textile floor covering

EN 1307

Brick

Quarter Turn

Ashlar

Monolithic

UT

32

W

Cfl-s1

DS

DS

DS

≥7

≥2,0

Interface European Manufacturing BV reserve the right to change or modify specifications.

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Interface European Manufacturing BV se reserva el derecho a modificar las especificaciones arriba referenciadas.

Interface European Manufacturing BV se réserve la possibilité de modifier les caractéristiques ci-dessus.

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For full environment data, visit:
www.interface.com/eds
Visit our design blog at:
www.designwithpurposeblog.com

Light Values

Product	Colour No	Colour Name	L Value*	Y Value*
Barricade One	4118001	Grey	24.2	4.2
	4118002	Anthrazite	19.6	2.9
	4118003	Brown	18.9	2.7

* **Light Value:** L Value = L according to CIE L*a*b* colour space, Y Value = Light Reflectance Value according to BS 8493

Lichtreflexionswerte: L-Wert = L gemäß CIE L*a*b* Farbspektrum, Y-Wert = Lichtreflexionswert gemäß British Standard BS 8493

Valores de Reflectancia de Luz: Valor L= L según CIE L*a*b* espacio de color, Valor Y = Valor de reflectancia de luz según el estándar británico BS 8493

Valeurs concernant la lumière: Valeur L = L faisant référence à la méthode CIE L*a*b* pour la couleur , Valeur Y = Valeurs de réflectance de la lumière selon le British Standard BS 8493

Licht waarden: L Waarde = L volgens CIE L*a*b*kleurruimte, Y Waarde = Licht Reflectie Waarde volgens BS 8493

Indici di riflettanza alla luce: Indice L= L secondo CIE L*a*b* colour space, IndiceY= Indice di riflettanza alla luce secondo la norma BS 8493

Construction			
Yarn system	100% BCF Solution Dyed PA 6		
Backing system	Graphlex®		
Recycled Content	Total	Pre consumer	Post consumer
Product average	57,29%	57,29%	0,00%
Yarn average	0,00%	0,00%	0,00%
Recycled content can be subject to differences between colours. See details for individual colours on next page.			
Carbon Footprint	Global Warming Potential (kgs CO2 equivalents/sq meter)		
Estimated full life-cycle carbon footprint (using standardised method developed by GUT)	Raw materials and Production:	11.9 kg CO ₂ eq./m ²	
	Delivery and installation:	0.5 kg CO ₂ eq./m ²	
	Use (1 year):	0.2 kg CO ₂ eq./m ²	
	End of life (waste to energy):	4.8 kg CO ₂ eq./m ²	
	TOTAL (10 years' lifetime):	18.9 kg CO ₂ eq./m ²	
CO ₂ compensation	Carbon neutral Cool Carpet® is optional		
Manufacturing			
Location	Scherpenzeel, NL		
	Factory is certified ISO 14001 since1996 and ISO 9001 since 1990		
Installation Impacts			
TacTiles™	Optimised for glue-free installation with TacTiles™ connectors with virtually zero VOCs		
Installation Waste	In a typical installation* using the installation method below:		
	Monolithic - 3-4% installation waste		
	Quarter turn – 3-4% installation waste		
	Ashlar / Brick – 3-5% installation waste		
	For reference: 2 metre wide broadloom typically generates 7-10 % installation waste		
	* In a rectangular building, installed before walls.		
End-of-life			
Alternatives to landfill	Reuse: Can be cleaned and reused in a non-critical location to extend its useful life		
	Recycling: Can be returned through the Interface ReEntry scheme and be re-used as raw material in new carpet tiles		
	Waste-to-Energy: Can be incinerated in appropriate waste to energy plant		
Indoor Air Quality			
GUT (Gemeinschaft umweltfreundlicher Teppichboden)	The product passes all requirements of GUT's testing criteria regarding hazardous substances, emissions and odour.		
	GUT PRODIS Certificate no. AA740CA1		
CRI (Carpet & Rug Institute)	Compliant to LEED IQ 4.3 credit (tested in Eurofins to the equivalent test of the CRI Green Label Plus)		
Compliance to Green Building Schemes			
See next page for potential contribution to various green building certification schemes			
Type III Environmental Product Declaration			
EPD according to ISO 14025	This product has a type III generic Environmental Product Declaration, EPD-GUT-2009111-E		
The full EPD can be obtained at www.bau-umwelt.com under floor coverings			

Colourway	Total recycled content	Total pre consumer recycled content	Total post consumer recycled content	Yarn recycled content	Yarn pre consumer recycled content	Yarn post consumer recycled content
418001 Grey	57,29%	57,29%	0,00%	0,00%	0,00%	0,00%
418002 Anthrazite	57,29%	57,29%	0,00%	0,00%	0,00%	0,00%
418003 Brown	57,29%	57,29%	0,00%	0,00%	0,00%	0,00%
Compliance to Green Building Schemes						
BREEAM (UK + inter)	BRE Green Guide Ratings: Office - Not Available Education - Not Available Health Care - Not Available Retail (by fashion) - Not Available Potential contribution to following categories and credits: Hea 02 - Indoor air quality – minimising sources of air pollution Hea 05 - Acoustic Performance Mat 01 - Life Cycle Impacts Mat 05 - Designing for robustness Wst 01 - Construction Waste Management					
LEED 2009 US	Potential direct or indirect contribution to following categories and credits: Indoor Environmental Quality Credit 4.1 Low Emitting Materials: Adhesive & Sealants Credit 4.3 Low Emitting Materials: Carpet Systems Materials and Resources Credit 2.1 Construction Waste Management Credit 4.1 Recycled content Credit 5.1 Regional Materials Innovation and Design Credits 1-4 1 Pilot Credit 43, Certified Products					
HQE (FR)	Potential direct or indirect contribution to several points within following targets: Contribution potentielle directe ou indirecte aux cibles suivantes : 2. Integrated choice of products and construction materials / Choix intégré des procédés et produits de construction 3. Low site nuisance / Chantiers à faibles nuisances 9. Acoustic comfort / Confort acoustique 10. Visual comfort / Confort visuel 11. No unpleasant smells / Confort olfactif 12. Sanitary quality of areas / Qualité sanitaire des espaces 13. Sanitary air quality / Qualité sanitaire de l'air					
DGNB (D)	Potential direct or indirect contribution of textile flooring to the DGNB scheme “new office and administrative buildings 2012 (NBV12)” Einflüsse textiler Bodenbelag im DGNB-System für das Nutzungsprofil Neubau Büro- und Verwaltungsgebäude 2012 (NBV12) Environmental Quality / Ökologische Qualität (ENV) ENV1.1 Life-cycle Assessment - Ecological footprint of the physical building components / Ökobilanz - Emissionsbedingte Umweltwirkungen ENV2.1 Life-cycle Assessment - Primary energy demand / Ökobilanz - Primärenergie Sociocultural and Functional Quality / Soziokulturelle und funktionale Qualität (SOC) / SOC 1.2 Indoor air quality / Innenraumluftqualität SOC 1.3 Acoustic comfort / Akustischer Komfort / SOC 1.7 Safety and security / Sicherheit und Störfallrisiken Technical Quality / Technische Qualität (TEC) TEC 1.2 Noise protection / Schallschutz TEC 1.5 Ease of Cleaning and Maintenance / Reinigungs- und Instandhaltungsfreundlichkeit des Baukörpers TEC 1.6 Ease of dismantling and recycling / Rückbau- und Demontagefreundlichkeit Process Quality / Prozessqualität (PRO) PRO 1.3 Comprehensive project definition / Nachweis der Optimierung und Komplexität der Herangehensweise in der Planung PRO 1.5 Comprehensive building design / Schaffung von Vorraussetzungen für eine optimale Nutzung und Bewirtschaftung					



TacTilesTM

Une solution intelligente et responsable pour installer les dalles de moquette

- Pas besoin de liquide adhésif
- Un système d'installation rapide, propre et simple qui élimine la quasi-totalité des émissions
- Aucune détérioration du support
- Remplacement ou déplacement des dalles lorsque vous le souhaitez



Dalles d'accès

Robustes, résistants et pratiques, les tapis d'entrée représentent une première barrière de défense à tout intérieur en supprimant près de 100% de la saleté, la pluie et la boue avant l'accès à vos espaces principaux, protégeant ainsi vos revêtements de sols.

Les deux produits dans notre gamme de tapis d'entrée - Barricade et Foyer - sont résistants, fonctionnels, faciles à entretenir et élégants. Et c'est pour ces raisons qu'ils ont un rôle primordial dans vos programmes d'entretien nécessaires au maintien de vos revêtements de sol afin qu'ils gardent leur plus bel aspect.