



PRODUCT PASSPORT SUSTAINABILITY



Product passport number: 147-1-220029.0

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Windmüller GmbH
Nord-West-Ring 21
32832 Augustdorf

Verified sustainability systems

System	Result	Page
BREEAM DE New Construction 2018	Can contribute to 4 points	2
BVB Version 6.1	Accepted	3
Cradle to Cradle	Silver	9
DGNB Version 2018	Leads to a positive contribution in 5 criteria	10
LEED v4.1	Can contribute to 3 to 5 points	12

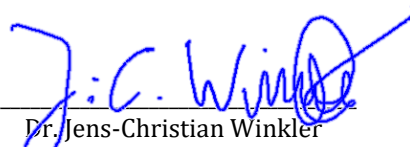
The product is described on page 13.

The product passport has been prepared to the best of our knowledge and belief after examination of the documents mentioned. It refers exclusively to the specified product/product group and the sustainability systems in the specified version.

Technically responsible: M.Sc. Theresa Rüdiger

TFI Aachen GmbH
Charlottenburger Allee 41
52068 Aachen

Aachen, 28. April 2023


Dr. Jens-Christian Winkler
Authorized manager



Health and Wellbeing

Criteria	Requirement	Assessment	Verified by
Hea 02 Indoor air quality	Emission limits fulfilled	Exemplary level, Can contribute to 2 points	TÜV PROFiCERT- product interior Premium certification no. 707103788-1

Waste

Criteria	Requirement	Assessment	Verified by
Wst 06 Functional adaptability	Replacement of individual planks is possible without any problems	Can contribute to 1 point	Manufacturer declaration, credibility checked

Materials

Criteria	Requirement	Assessment	Verified by
Mat 01 Environmental impacts from construction products	EN 15804 compliant EPD	Can contribute to 1 point	Generic EPD, Declaration number EPD-WIN-20190006- CCA1-EN, valid until 11.01.2024

0. Criteria for chemical contents

Criteria	Requirement	Assessment	Verified by
0.0 Documentation a) Declaration of content b) RoHS-directive	a) Documentation of the ingredients	Recommended	Manufacturer declaration, credibility checked
	b) Not relevant		
0.1 Carcinogens a) Category 1A or 1B b) Category 2	a) $\leq 0,01\%$	Recommended	Manufacturer declaration, credibility checked
	b) $\leq 0,01\%$	Recommended	Manufacturer declaration, credibility checked
0.2 Mutagenic a) Category 1A or 1B b) Category 2	a) $\leq 0,01\%$	Recommended	Manufacturer declaration, credibility checked
	b) $\leq 0,01\%$	Recommended	Manufacturer declaration, credibility checked
0.3 Toxic to reproduction a) Category 1A or 1B b) Category 2	a) $\leq 0,03\%$	Recommended	Manufacturer declaration, credibility checked
	b) $\leq 0,1\%$	Recommended	Manufacturer declaration, credibility checked
0.4 Harmful to infants	$\leq 0,03\%$	Recommended	Manufacturer declaration, credibility checked
0.5 Endocrine disruptors	$\leq 0,01\%$	Recommended	Manufacturer declaration, credibility checked

0. Criteria for chemical contents

Criteria	Requirement	Assessment	Verified by
0.6 Persistent bioaccumulative and toxic organic substances (PBT)	$\leq 0,01\%$	Recommended	Manufacturer declaration, credibility checked
0.7 Very persistent and very bioaccumulative organic substances (vPvB)	$\leq 0,01\%$	Recommended	Manufacturer declaration, credibility checked
0.8 Pure substance or compound of lead	$\leq 0,01\%$	Recommended	Manufacturer declaration, credibility checked
0.9 Pure substance or compound of mercury	$\leq 0,25\%$	Recommended	Manufacturer declaration, credibility checked
0.10 Pure substance or compound of cadmium	$\leq 0,01\%$	Accepted	Manufacturer declaration, credibility checked
0.11 Hazardous to the ozone layer	$\leq 0,01\%$	Recommended	Manufacturer declaration, credibility checked
0.12 Allergenic a) Category 1 b) Category 1 or 1B (solid/liquid) c) Category 1 or 1B (gas) d) Skin Category 1A e) Skin Category 1 or 1B	a) $\leq 0,01\%$	Recommended	Manufacturer declaration, credibility checked
	b) $\leq 0,01\%$		
	c) $\leq 0,01\%$		
	d) $\leq 0,01\%$		
	e) $\leq 0,01\%$		

0. Criteria for chemical contents

Criteria	Requirement	Assessment	Verified by
0.13 Acute toxicity Category 1, 2 or 3	≤ 0,01%	Recommended	Manufacturer declaration, credibility checked
0.14 Toxicity single exposure a) Category 1 b) Category 2	a) ≤ 0,1%	Recommended	Manufacturer declaration, credibility checked
	b) ≤ 1%	Recommended	Manufacturer declaration, credibility checked
0.15 Toxicity repeated exposure a) Category 1 b) Category 2	a) ≤ 0,1%	Recommended	Manufacturer declaration, credibility checked
	b) ≤ 1%	Recommended	Manufacturer declaration, credibility checked
0.16 Volatile organic compounds (VOC)	≤ 1%	Recommended	Manufacturer declaration, credibility checked
0.17 Environmentally hazardous a) Acute Category 1 b) Chronic Category 1 c) Chronic Category 2 d) Chronic Category 3 e) Chronic Category 4	a) ≤ 2,5%	Recommended	Manufacturer declaration, credibility checked
	b) ≤ 0,25%		
	c) ≤ 2,5%		
	d) ≤ 2,5%		
	e) ≤ 2,5%		

0. Criteria for chemical contents

Criteria	Requirement	Assessment	Verified by
0.18 Potential PBT/vPvB substances	≤ 0,1%	Recommended	Manufacturer declaration, credibility checked
0.19 Specifically identified substances	Substances from table 1 are excluded	Recommended	Manufacturer declaration, credibility checked
0.20 Fluorinated greenhouse gases	0%	Recommended	Manufacturer declaration, credibility checked

1. Constituent materials and raw materials

Criteria	Requirement	Assessment	Verified by
1.1 Constituent materials and raw materials	Renewable raw material (castor oil) ≤ 50%	Accepted	Manufacturer declaration, credibility checked
1.2 Proportion of recycled material	Data on recycled materials is lacking	Accepted	Manufacturer declaration, credibility checked

2. Manufacture of the product

Criteria	Requirement	Assessment	Verified by
2.1 Emissions to air, water or land	EN 15804 compliant generic EPD incl. Verification according to ISO 14025	Accepted	Generic EPD, Declaration number EPD-WIN-20190006-CCA1-EN, valid until 22.01.2024
2.2 Primary energy usage during the production phase	EN 15804 konforme EPD inkl. Verifizierung gemäß ISO 14025	Recommended	Generic EPD, Declaration number EPD-WIN-20190006-CCA1-EN, valid until 22.01.2024

3. Packaging

Criteria	Requirement	Assessment	Verified by
3.1 Packaging	The packaging is made of cardboard and foil and can be recovered energetically	Accepted	Manufacturer declaration, credibility checked

4. Use Phase

Criteria	Requirement	Assessment	Verified by
4.1 Leaching of substances that could have potential impact on water quality	Not relevant	Recommended	DOP Declaration of performance
4.2 Energy usage	Not relevant	Recommended	DOP Declaration of performance

5. Waste and demolition

Criteria	Requirement	Assessment	Verified by
5.1 Reuse	Reuse (>70%) is possible due to the non-destructive removal	Recommended	Manufacturer declaration, credibility checked; Installation instruction Status 03.2022
5.2 Recycling	The product is 100% recovered for energy	Accepted	Manufacturers declaration, credibility checked
5.3 Hazardous waste in use/building production	The product does not give rise to hazardous waste	Recommended	Manufacturer declaration, credibility checked
5.4 Hazardous waste in demolition/dismantling	End-of-life product is not classified as hazardous waste	Recommended	Manufacturer declaration, credibility checked

6. Emissions of VOC to the indoor environmental

Criteria	Requirement	Assessment	Verified by
6.1 Documentation about emissions	Emission audit report according to EN 16516	Recommended	Emission audit report no. 21-000149-01, prepared by TFI
6.2 Assessment of emissions	Blue Angel certified	Recommended	Blue Angel Certificate



Cradle to Cradle Version 3.1

Windmüller GmbH wineo 1000 for clicking



Windmüller GmbH

has successfully achieved Cradle to Cradle Certified® Silver for the product(s) under the name:

PU Flooring System Purpose Collection

Certification Number
5396

PURLINE Multi-Layer (1,2 mm), PURLINE tile & sheet dryback (2,5 mm), and PURLINE tile click (5 mm)

Standard Version
3.1

Lead Assessment Body
EPEA Switzerland GmbH

Material Health
Assessment Body
EPEA GmbH - Part of Drees & Sommer

Effective Date
18 November 2022

Expiration Date
21 March 2024

Susan Klosterhaus, Ph.D.
Vice President, Science and Certification
Cradle to Cradle Products Innovation Institute

See the Cradle to Cradle Certified Product Registry at www.c2ccertified.org for additional details
Use of the certification marks is subject to the terms and conditions of the C2CPII Certification Agreement and Trademark Use Guidelines.
Cradle to Cradle Certified is a registered trademark of the Cradle to Cradle Products Innovation Institute

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products
innovation
institute



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Environmental Quality

Criteria	Requirement	Assessment	Verified by
ENV1.1 Building life cycle assessment	EN 15804 compliant EPD	Contribution to life cycle assessment	Generic EPD, Declaration number EPD-WIN-20190006- CCA1-EN, valid until 22.01.2024
ENV1.2 Local environmental impact	Free of chlorinated paraffins (SCCP+MCCP+LCCP <0,1%), SVHC <0,1%, TÜV PROFiCERT- product Interior premium certified	Quality Level 4	Manufacturers declaration, credibility checked; TÜV PROFiCERT- product interior Premium certification no. 707103788-1

Sociocultural and functional Quality

Criteria	Requirement	Assessment	Verified by
SOC1.2 Indoor air quality	Low emission resilient floor covering	Can contribute to the full score	Emission audit report no. 21-000149-01, prepared by TFI

Technical Quality

Criteria	Requirement	Assessment	Verified by
TEC1.5 Ease of cleaning building components	Depending on the selection: mottled and/or patterned flooring; low maintenance due to the equipment with a durable PU top layer.	15 points	Manufacturer declaration, credibility checked
TEC1.6 Ease of recovery and recycling	Cradle to Cradle certified product	CE Bonus 1 Reuse or material recovery	Cradle to Cradle certificate no. 5396, valid until 21.03.2024
	A non destructive dismantling is possible	Quality level 2	Manufacturer declaration, credibility checked; Installation instructions status 03.2022



Materials and Resources

Criteria	Requirement	Assessment	Verified by
Environmental Product Declarations	Type III EPD	Can contribute to 1 point	Generic EPD, Declaration number EPD-WIN-20190006-CCA1-EN, valid until 22.01.2024
Material Ingredients	Cradle to Cradle Silver certified	Can contribute to 1 point	Cradle to Cradle certificate no. 5396, valid until 21.03.2024

Indoor Environmental Quality

Criteria	Requirement	Assessment	Verified by
Low-Emitting Materials	Emission test report according to EN 16516:2017, limit values are complied with	Can contribute to 1 - 3 points	Emission audit report no. 21-000149-01, prepared by TFI

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Product description

Criteria	Assessment	Verified by
Product type	Resilient floor covering made of polyurethane according to EN 16776	Technical datasheet
Level of use	Class 23/32 Residential heavy / Commercial general use according to EN 10874	Technical datasheet
Material composition / wear layer	Polyurethan	Technical datasheet
Total thickness	5,0 mm	Technical datasheet
Surface related mass	9.000 g/m ²	Technical datasheet