



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

15148-10-1009

Oneflor Mercury 2.0 Rigid Click (Klickvinyl)

Product group: Vinyl

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Oneflor Europe B.V.
Wittestraat 10
8501 Heule



Product qualities:



Köttner

Helmut Köttner
Scientific Director

Freiburg, 02 February 2026



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F L O R
E U R O P E**

Contents

 SHI Product Assessment 2024	1
 QNG - Qualitätssiegel Nachhaltiges Gebäude	2
 DGNB New Construction 2023	3
 DGNB New Construction 2018	4
 BNB-BN Neubau V2015	5
 EU taxonomy	6
 BREEAM DE Neubau 2018	7
Product labels	8
Legal notices	9
Technical data sheet/attachments	10

The SHI Database is the first and only database for construction products whose comprehensive processes and data accuracy are regularly verified by the independent auditing company SGS-TÜV Saar





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F L O R
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SHI Product Assessment 2024

Since 2008, Sentinel Holding Institut GmbH (SHI) has been establishing a unique standard for products that support healthy indoor air. Experts carry out independent product assessments based on clear and transparent criteria. In addition, the independent testing company SGS regularly audits the processes and data accuracy.

Criteria	Product category	Harmful substance limit	Assessment
SHI Product Assessment	Other floor coverings	TVOC $\leq 160 \mu\text{g}/\text{m}^3$ Formaldehyd $\leq 10 \mu\text{g}/\text{m}^3$	Indoor Air Quality Certified
Valid until: 11 September 2027			



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**O N E
F L O R
E U R O P E**

QNG - Qualitätssiegel Nachhaltiges Gebäude

The Qualitätssiegel Nachhaltiges Gebäude (Quality Seal for Sustainable Buildings), developed by the German Federal Ministry for Housing, Urban Development and Building (BMWSB), defines requirements for the ecological, socio-cultural, and economic quality of buildings. The Sentinel Holding Institut evaluates construction products in accordance with QNG requirements for certification and awards the QNG ready label. Compliance with the QNG standard is a prerequisite for eligibility for the KfW funding programme. For certain product groups, the QNG currently has no specific requirements defined. Although classified as not assessment-relevant, these products remain suitable for QNG-certified projects.

Criteria	Pos. / product group	Considered substances	QNG assessment
3.1.3 Schadstoffvermeidung in Baumaterialien	2.2 Resilient floor coverings – including multilayer systems	VOC / Emissions / hazardous substances / polycyclic aromatic hydrocarbons (PAH) / SVHC / heavy metals	QNG ready
Verification: Prüfbericht des eco-Instituts vom 11.09.2025 (Nr. 60243-A002-EUVOC-L). Herstellereklärung.			



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**O N E
F L O R
E U R O P E**

DGNB New Construction 2023

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings. The 2023 version sets high standards for ecological, economic, socio-cultural, and functional aspects throughout the entire life cycle of a building.

Criteria	Assessment
SOC1.3 Sound insulation and acoustic comfort (*)	May positively contribute to the overall building score
Verification: Technisches Datenblatt	

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition)	7 Floor coverings (Resilient floor coverings)	VVOCs, VOC, SVOC emissions and content of hazardous substances	Quality level 3
Verification: Prüfbericht des eco-Instituts vom 11.09.2025 (Nr. 60243-A002-EUVOC-L). Herstellererklärung.			

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 29.05.2025 (4th edition)	7 Floor coverings for indoor use (elastic floor coverings)	VVOCs, VOC, SVOC emissions and content of hazardous substances	Quality level 3
Verification: Prüfbericht des eco-Instituts vom 11.09.2025 (Nr. 60243-A002-EUVOC-L). Herstellererklärung.			



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F L O R
E U R O P E**

DGNB New Construction 2018

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings.

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact	7 Floor coverings (Resilient floor coverings)	VOC / SVOC / hazardous substances	Quality level 4
Verification: Prüfbericht des eco-Instituts vom 11.09.2025 (Nr. 60243-A002-EUVOC-L). Herstellereklärung.			



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F L O R
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BNB-BN Neubau V2015

The Bewertungssystem Nachhaltiges Bauen (Assessment System for Sustainable Building) is a tool for evaluating public office and administrative buildings, educational facilities, laboratory buildings, and outdoor areas in Germany. The BNB was developed by the former Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) and is now overseen by the Federal Ministry for Housing, Urban Development and Building (BMWSB).

Criteria	Pos. / product type	Considered substance group	Quality level
1.1.6 Risiken für die lokale Umwelt	2a Elastic floor coverings – with and without bonded underlay or insulation layer	VOC / hazardous substances / heavy metals	Quality level 3
Verification: Prüfbericht des eco-Instituts vom 11.09.2025 (Nr. 60243-A002-EUVOC-L). Herstellererklärung.			



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F L O R
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EU taxonomy

The EU Taxonomy classifies economic activities and products according to their environmental impact. At the product level, the EU regulation defines clear requirements for harmful substances, formaldehyde and volatile organic compounds (VOCs). The Sentinel Holding Institut GmbH labels qualified products that meet this standard.

Criteria	Product type	Considered substances	Assessment
DNSH - Pollution prevention and control	Floor coverings (including associated adhesives and sealants)	Substances according to Annex C, formaldehyde, carcinogenic VOCs category 1A/1B	EU taxonomy compliant
Verification: Prüfbericht des eco-Instituts vom 11.09.2025 (Nr. 60243-A002-EUVOC-L). Herstellererklärung.			



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BREEAM DE Neubau 2018

BREEAM (Building Research Establishment Environmental Assessment Methodology) is a UK-based building assessment system that evaluates the sustainability of new constructions, refurbishments, and conversions. Developed by the Building Research Establishment (BRE), the system aims to assess and improve the environmental, economic, and social performance of buildings.

Criteria	Product category	Considered substances	Quality level
Hea 02 Indoor Air Quality	Flooring materials (including floor levelling compounds and resin flooring)	Emissions: Formaldehyde, TVOC, TSVOC, carcinogens	Exemplary quality
Verification: Prüfbericht des eco-Instituts vom 11.09.2025 (Nr. 60243-A002-EUVOC-L). Herstellererklärung.			



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Product labels

In the construction industry, high-quality materials are crucial for a building's indoor air quality and sustainability. Product labels and certificates offer guidance to meet these requirements. However, the evaluation criteria of these labels vary, and it is important to carefully assess them to ensure products align with the specific needs of a construction project.



This product is SHI Indoor Air Quality certified and recommended by Sentinel Holding Institut. Indoor-air-focused construction, renovation, and operation of buildings is made possible by transparent and verifiable criteria thanks to the Sentinel Holding concept.



Products bearing the Sentinel Holding Institute QNG-ready seal are suitable for projects aiming to achieve the "Qualitätssiegel Nachhaltiges Gebäude" (Quality Seal for Sustainable Buildings). QNG-ready products meet the requirements of QNG Appendix Document 3.1.3, "Avoidance of Harmful Substances in Building Materials." The KfW loan program Climate-Friendly New Construction with QNG may allow for additional funding.



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F L O R
E U R O P E**

Legal notices

(*) These criteria apply to the construction project as a whole. While individual products can positively contribute to the overall building score through proper planning, the evaluation is always conducted at the building level. The information was provided entirely by the manufacturer.

Find our criteria here: <https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfverfahren/kriterien%20f%C3%BCr%20Produkte>

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TECHNICAL DATASHEET MERCURY 2.0 (rigid click)

Update: July 2024

ONE
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EUROPE

PRODUCT SPECIFICATIONS	STANDARD	MERCURY 2.0 (rigid click)
Product standard / Belagsart / Standard produit / Product standaard	-	EN ISO 10582
Product standard / Belagsart / Standard produit / Product standaard	-	Heterogeneous resilient floorcovering Heterogener elastischer Designbodenbelag Revêtements de sol résilients hétérogènes Heterogene veerkrachtige vloerbedekking
Total thickness / Gesamtstärke / Epaisseur totale / Totale dikte	EN ISO 24346	5,0 mm
Wear layer thickness / Nuttschichtdicke / Epaisseur couche d'usure / Slijtlaagdikte	EN ISO 24340	0,55 mm
Classification / Nutzungsklasse / Classe d'usage / Classificatie	EN ISO 10874	Domestic: 23 Commercial: 33 Industrial: 42
Total weight / Gesamtgewicht / Poids total / Totale gewicht	EN ISO 23997	8.200 g/m ² (planks) - 8.060 g/m ² (tiles)
Wear layer binder content / Bindemittelgehalt / Teneur en agent liant / Inhoud van het bindmiddel	EN ISO 10582	Type I / Typ I / Type I
Abrasion group / Verschleißprüfung / Groupe d'abrasion / Slijtage groep	EN 660-2	Group T: ≤ 2,00 mm ³ Planks / Dielen / Lames / Planken: 180 x 1220 mm 10 planks/box = 2,20m ² 55 boxes/pallet = 121m ²
Dimensions / Dielengröße / Dimensions / Afmetingen	EN ISO 24342	- Tiles / Fliesen / Dalles / Tegels: 305 x 610 mm 9 tiles/box = 1,67m ² 54 boxes/pallet = 90,18m ²
Surface treatment / Oberflächenvergütung / Traitement de surface / Oppervlakte behandeling	-	PUR EcoprotectTM
Locking system / Klick System / Type de clic / Vergrendelingsstysteem	-	Unipush (planks) / I4F (tiles)
Bevelled edges / Gefaste Kanten (Füge) / Chanfrein / Schuine randen	-	Yes / Ja / Oui / Ja

PRODUCT PERFORMANCES	STANDARD	MERCURY 2.0 (rigid click)
Dimensional stability / Dimensionsstabilität / Stabilité dimensionnelle / Dimensionale stabiliteit	EN ISO 23999	≤ 0,06 %
Castor chair / Schreibtischstuhl / Chaise à roulettes / Rolstoeltest	ISO 4918	No damage / Keine Schäden / Aucun dommage / Geen schade (Type W)
Furniture leg / Möbelfüße / Pied de meuble / Meubelpoottest	EN ISO 16581	No damage / Keine Schäden / Aucun dommage / Geen schade
Squareness & straightness / Rechtwinklichkeit & Geradheit / Equerrage et rectitude / Verandering in vierkant & rechtheid	EN ISO 24342	≤ 0,25 mm
Residual indentation / Eindruckverhalten / Poinçonnement statique rémanent / Resterende inkeping	EN ISO 24343-1	≤ 0,10 mm
Impact sound reduction / Trittschalldämmung / Isolation acoustique / Effect geluidsreductie	EN ISO 717-2	ΔLw = 21 dB
Light fastness / Lichtechtheid / Solidité lumière / Lichtvastheid	EN ISO 105-B02	≥ 6
Slip resistance / Rutschhemmung / Glissance / Slipweerstand	DIN 51130 EN 13893	R10 DS
Resistance to chemicals / Chemikalienbeständigkeit / Résistance aux produits chimiques / Weerstand tegen chemicalien	EN ISO 26987	Not affected (0) / Nicht verändert (0) / Non affecté / Niet aangetast (0)
Thermal resistance / Wärmewiderstand / Conductivité thermique / Warmteweerstand	EN ISO 10456	0,04 m ² K/W
Curl after exposure to heat / Curling nach Wärmeinwirkung / Incurvation après exposition à la chaleur / Krul na blootstelling aan hitte	EN ISO 23999	≤ 2 mm
Fire resistance / Brandverhalten / Classement feu / Brandveiligheid	EN 13501-1	Bfl-s1
Electrical properties / Elektrostatische Eigenschaften / Charges électrostatiques / Elektrische weerstand	EN 1815	≤ 2kV
Resistance against staining / Bestimmung der Fleckenempfindlichkeit / Résistance aux taches / Bestendigheid tegen vlekken	EN 26987	Passed / Bestanden / Haute résistance / Geslaagd
Underfloor heating suitability / Fußbodenheizung / Compatibilité chauffage par le sol / Geschikt voor vloerverwarming	EN 12524	Suitable / Geeignet / Compatible / Geschikt - max. 27°C

ENVIRONMENT	STANDARD	MERCURY 2.0 (rigid click)
TVOC after 28 days (AgBB test) - Indoor air quality / Raumluchtqualität / Qualité de l'air intérieur / Luchtkwaliteit binnenshuis	ISO 16000-9	≤ 100µg/m ³
VOC emission class (French regulation) - Indoor air quality / Raumluchtqualität / Qualité de l'air intérieur / Luchtkwaliteit binnenshuis	ISO 16000-9	A+
Floorscore VOC test - Indoor air quality / Raumluchtqualität / Qualité de l'air intérieur / Luchtkwaliteit binnenshuis	ISO 16000-9	Passed / Bestanden / Passé / Geslaagd
Plasticizer / Weichmacher / Plastifiant / Weekmaker	-	Phthalate-free / Phthatalfrei / Sans phtalate / Phthalaat-vrij
Formaldehyde group / Formaldehyde Gruppe / Groupe formaldéhyde / Formaldehyde groep	EN 717-1	E1
Recyclability / Recyclingfähigkeit / Recyclabilité / Recycleerbaarheid	-	100%

WARRANTIES	STANDARD	MERCURY 2.0 (rigid click)
Residential warranty / Garantie im Wohnbereich / Garantie en usage résidentiel / Woongarantie	-	25 years / Jahre / ans / jaar
Commercial warranty / Garantie im Objektbereich / Garantie en usage commercial / Commerciële garantie	-	10 years / Jahre / ans / jaar

CE MARKING	STANDARD	MERCURY 2.0 (rigid click)
DoP number / DoP Nummer / Numéro de DoP / DoP nummer	-	No. 24-KF-002



Vrijgesteld van de in 2009 afgekondigde wetgeving inzake de beperking van de hoeveelheid aan formaldehyde die in de lucht kan worden afgegeven door vloerbedekkingen.