SENTINEL HOLDING
INSTITUT

SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

15239-10-1000

Cairo

Product group: Carpet / Tapestry

danfloor ulster

danfloor a/s
Østerbro 9
6933 Kibæk

Product qualities:

- SHI Product Assessment 2024
- QNG Qualitätssiegel Nachhaltiges Gebäude
- DGNB NEW CONSTRUCTION 2023
- DGNB NEW CONSTRUCTION 2018
- BNB-BN NEUBAU V2015
- EU taxonomy
- BREEAM DE NEUBAU 2018
- LEED v4.1 (outside US)

CERTIFIED SUSTAINABLE PRODUCT
SHI PRODUCT PASSPORT
SENTINEL HOLDING INSTITUT
www.sentinel-holding.eu

Köttner

Helmut Köttner
Scientific Director
Freiburg, 31 March 2026

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Product:
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SHI Product Passport no.:
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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

SGS SGS TÜV SAAR

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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	Textile floor coverings	TVOC ≤ 100 µg/m^3 Formaldehyd ≤ 4 µg/m^3	Indoor Air Quality Certified
Valid untill: 08 May 2027			

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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	2.1 Textile floor coverings	VOC / Emissions / hazardous substances / polycyclic aromatic hydrocarbons (PAH) / biocides	QNG ready
Verification: GUT-Zertifikat vom 08.05.2023 (56409BDC)			

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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	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition)	6 Floor coverings (Textile Floor cooverings)	VVOCs, VOC, SVOC emissions and content of hazardous substances	Quality level 4
Verification: GUT-Zertifikat vom 08.05.2023 (56409BDC)			

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 29.05.2025 (4th edition)	6 Floor coverings for indoor use (textile floor coverings)	VVOCs, VOC, SVOC emissions and content of hazardous substances	Quality level 4
Verification: GUT-Zertifikat vom 08.05.2023 (56409BDC)			

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Product:
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SHI Product Passport no.:
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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	6 Floor coverings (Textile Floor coverings)	VOC / hazardous substances	Quality level 4
Verification: GUT-Zertifikat vom 08.05.2023 (56409BDC)			

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Product:
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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	1 textile floor coverings	VOC / hazardous substances / biocides	Quality level 5
Verification: GUT-Zertifikat vom 08.05.2023 (56409BDC)			

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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: GUT-Zertifikat vom 08.05.2023 (56409BDC)			

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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: Eurofins Gold Zertifikat vom 18.01.2024 (Nr. IACG-49-22-01-2023)			

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LEED v4.1

LEED (Leadership in Energy and Environmental Design) is an internationally recognised building certification system developed by the U.S. Green Building Council. It is one of the most widely used sustainability standards for buildings worldwide and is particularly applied in internationally oriented projects. LEED assesses buildings holistically across categories such as energy efficiency, resource conservation, material selection, indoor environmental quality and site sustainability. Depending on the number of points achieved, projects are awarded one of the certification levels: LEED Certified, Silver, Gold or Platinum.

Criteria	Product category	Assessment
EQ Credit: Low-Emitting Materials	Bodenbeläge	compliant
Verification: Eurofins Gold Zertifikat vom 18.01.2024 (Nr. IACG-49-22-01-2023)		

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Product:
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SHI Product Passport no.:
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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.

The GUT label, issued by the German association “Gemeinschaft umweltfreundlicher Teppichboden e.V.”, is an ecolabel for carpets that includes strict emission testing criteria.

Produktsie

Eurofins Indoor Air Comfort® confirms compliance with requirements for low VOC emissions. The standard level covers all mandatory VOC regulations in the EU, while the Gold level additionally takes into account emission criteria from voluntary ecolabels and building certifications.

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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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%BCfkriterien%20f%C3%BCr%20Produkte

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Publisher

Sentinel Holding Institut GmbH
Bötzinger Str. 38
79111 Freiburg im Breisgau
Germany
Tel.: +49 761 590 481-70
info@sentinel-holding.eu
www.sentinel-holding.eu

56409BDC

Cairo 1160 (UV)

GUT-Zertifikat

Der genannte Artikel erfüllt die Anforderungen der Gemeinschaft umweltfreundlicher Teppichboden e.V.

Schadstoffe

Die in den GUT-Kriterien genannten Verwendungsverbote und Grenzwerte für Schadstoffe, insbesondere SVHCs, Färbebeschleuniger, Azofarbstoffe, allergenisierende und krebserzeugende Farbstoffe, Schwermetalle, Chlorphenole (z.B. PCP), biozid wirkende Substanzen, Phthalate und andere Weichmacher, halogenierte Flammschutzmittel und Sb_2O_3 sowie anorganischen Fasern, wurden eingehalten.

Formaldehyd

Das Verwendungsverbot für Formaldehyd enthaltende oder abspaltende Hilfsmittel wurde eingehalten. Die Formaldehydemissionen sind < 10 µg/m³.

Neugeruch

Der Artikel hat die Geruchsprüfung mit mindestens der Note 3 bestanden. Zulässig ist ein leichter Neugeruch geringer Intensität.

Recyclinganteile

Die Anforderungen hinsichtlich Schadstoffgehalten und Emissionsverhalten gelten uneingeschränkt auch für Produkte zu deren Herstellung recyclete Materialien eingesetzt werden. Der Einsatz von recycelten Rohstoffen (z.B. Polfasern) ist bei der Registrierung des Artikels durch den Hersteller anzugeben.

Einheit: [µg/m³]	3 d	28 d
TVOC (C_6-C_{16})	250	100
SVOC (C_{16}-C_{23})	30	30
VOC (no LCI)	100	50
R-Wert	< 1	< 1
HCHO	10	4
Benzol	n.d	
CMR Substanzen	n.d	

VOC-Emissionen

Die Grenzwerte für VOC-Emissionen, bestimmt nach dem Prüfkammerverfahren gem. EN 16516, wurden eingehalten. Die Prüfung erfolgte 3 Tage bzw., falls erforderlich, 28 Tage nach Einbringen in die Kammer. Zur Bewertung der Emissionen und zur Berechnung des R- Wertes wurde die jeweils aktuelle NIK-Liste des AgBB herangezogen.

Eine vollständige Auflistung aller Grenzwerte findet sich unter gut-prodis.eu oder gut-ev.de

Aachen, den 08.05.2023

Gemeinschaft umweltfreundlicher Teppichboden e.V.
D-52068 Aachen Schönebergstr. 2
mail@gut-ev.de / +49 241 96843411

GUT-Safety Code

gut-prodis.eu

Certificate

Indoor Air Comfort Gold

Wool and natural fibres with textile backing

Certified Product

Danfloor A/S

Østerbro 9, 6933 Kibæk, Denmark

Applicant

The above product complies with the Indoor Air Comfort Gold specifications, version 9.0 (2023). These include both inspection of factory production and VOC emissions testing according to EN 16516, at regular intervals. Indoor Air Comfort Gold combines all key European and selected global requirements on VOC product emissions. Additional requirements not related to VOC product emissions, for example content of certain substances or odour are not combined or evaluated. The following VOC emission requirements are combined and the certified product shows compliance with these VOC emission related limit values:

- Belgian VOC regulation
- France VOC class A+
- Germany (AgBB/ABG)
- Italian CAM Edilizia
- EU Taxonomy Regulation
- LEED (ACP)
- BREEAM New Construction
- WELL Building
- DGNB
- SKA Rating
- French HQE certification
- Blue Angel DE-UZ 128
- GUT
- Austrian Ecolabel UZ 35
- Austrian Baubook
- M1
- Danish Indoor Climate Label (Emission Class 1)
- BVB (Sweden)
- Miljöbyggnad (Sweden)
- Nordic Swan
- Eco Product Norway
- SINTEF (Norway)
- Cradle to Cradle
- very low emitting products according to EN 16798-1
- Singapore Green Label
- Global GreenTag
- Declare 2.0

Issue date: 18 January 2024

Validity date: 18 January 2029

Product type: Textile Floorings

Certificate number: IACG-49-22-01-2023

This certificate is valid as specified if regular surveillance and testing is done.

Thomas Neuhaus
Head of Certification Body

Eurofins Product Testing A/S
Smedeskovvej 38, Gate 9
8464 Galten
Denmark

DANAK
PROD Reg.no. 7054
Member EA MLA

Appendix to Certificate IACG-49-22-01-2023

Danfloor A/S

receives the Indoor Air Comfort Gold certificate with validity 18 January 2029

for below product group, including subgroups and individual products as listed:

Product group: Wool and natural fibres with textile backing

Product type: Textile Floorings

Products included:

Graphic 1000 UT, Graphic 1000 UV, Graphic 1100 UT, Graphic 1100 UV, Graphic 1200 UT, Graphic 1200 UV, Graphic 1300 UV, Graphic 1400 UV, Graphic 1500 UV, 1153 Borneo UT, 1160, Cairo UV, 1310 Tunis UT, 1317 Dubai Rib UT, 1318 Dubai Heather UT, 1319 Dubai UT, 1320 Montana UT, 1325 Natural Choice Textures UT, 1428 Auckland UT, 1431 Queenstown UT, 1433 Wellington Stripe UT, 1450 Raglan UT, 1455 Napier UT, 2905 Wool Ribs TD, 2907 Wool Lines TD, 2910 Wool Square TD, 2912 Wool Classic TD.

The products in this group are based on identical or similar recipe and are produced under equivalent conditions. Grouping of the products and inspection of the production process is part of the Indoor Air Comfort Gold certification. A worst-case product, which is representative for the whole group, is being tested frequently.

Eurofins Product Testing A/S
Smedeskovvej 38, Gate 9
8464 Galten
Denmark

DANAK
PROD Reg.no. 7054
Member EA MLA

CAIRO 1160

Bezeichnung	Daten
Herstellungsart	5/32" Normalschlinge
Polmaterial	100% Reine Schurwolle
Träger	100% PP woven
Rückenbeschichtung	Komfort Latex, Ultra Light Vlies®
Polgewicht /m2	800 gr.
Polhöhe	4 mm.
Gesamtgewicht /m2	2450 gr., 1500 gr.
Gesamtdicke	8 mm., 7 mm.
Noppenanzahl /m2	100.800
Breite	400 / 500 cm.
Rollelänge	25 m.
Musterrapport	-
Spezial Kennzeichnung	Antistatisk
Einstufung	
Brennverhalten	
Erdableitwiderstand ?	
Elekrostatisches Verhalten	2 kV., 2 kV.
Trittschallverbesserungsmass	?Lw ? 20 dB, ?Lw ? 20 dB
Wärmerdurchlasswiderstand	0,13, 0,12

Einstufung

