



# SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

**15239-10-1000**

## Cairo

Product group: Carpet / Tapestry



danfloor a/s  
Østerbro 9  
6933 Kibæk



### Product qualities:



*Köttner*

**Helmut Köttner**  
Scientific Director

Freiburg, 02 February 2026



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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





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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 $\leq 100 \mu\text{g}/\text{m}^3$<br>Formaldehyd $\leq 4 \mu\text{g}/\text{m}^3$ | 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<br>Schadstoffvermeidung in<br>Baumaterialien            | 2.1 Textile floor coverings | VOC / Emissions / hazardous<br>substances / polycyclic aromatic<br>hydrocarbons (PAH) / biocides | QNG ready      |
| <b>Verification:</b> 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 coverings)                            | VVOCs, VOC, SVOC emissions and content of hazardous substances | Quality level 4 |
| <b>Verification:</b> 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 |
| <b>Verification:</b> GUT-Zertifikat vom 08.05.2023 (56409BDC) |                                                                        |                                                                |                 |

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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 |
| <b>Verification:</b> GUT-Zertifikat vom 08.05.2023 (56409BDC) |                                                                        |                                 |                 |



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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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## 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.



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.

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

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# 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  $\text{Sb}_2\text{O}_3$  sowie anorganischen Fasern, wurden eingehalten.

### Formaldehyd

Das Verwendungsverbot für Formaldehyd enthaltende oder abspaltende Hilfsmittel wurde eingehalten. Die Formaldehydemissionen sind  $< 10 \mu\text{g}/\text{m}^3$ .

### 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 recycelte Materialien eingesetzt werden. Der Einsatz von recycelten Rohstoffen (z.B. Polfasern) ist bei der Registrierung des Artikels durch den Hersteller anzugeben.

### 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](http://gut-prodis.eu) oder [gut-ev.de](http://gut-ev.de)

| Einheit: [ $\mu\text{g}/\text{m}^3$ ]       | 3 d | 28 d |
|---------------------------------------------|-----|------|
| <b>TVOC (C<sub>6</sub>-C<sub>16</sub>)</b>  | 250 | 100  |
| <b>SVOC (C<sub>16</sub>-C<sub>23</sub>)</b> | 30  | 30   |
| <b>VOC (no LCI)</b>                         | 100 | 50   |
| <b>R-Wert</b>                               | < 1 | < 1  |
| <b>HCHO</b>                                 | 10  | 4    |
| <b>Benzol</b>                               | n.d |      |
| <b>CMR Substanzen</b>                       | n.d |      |

Aachen, den 08.05.2023

**Gemeinschaft umweltfreundlicher Teppichboden e.V.**

D-52068 Aachen Schönebergstr. 2  
[mail@gut-ev.de](mailto:mail@gut-ev.de) / +49 241 96843411



GUT-Safety Code



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

Issue date: 18 January 2024

Product type: Textile Floorings

Validity date: 18 January 2029

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  
Smedskovvej 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.

# danfloor

**ulster**<sup>TM</sup>  
An Ulster Group Company

## CAIRO

## 1160

### Bezeichnung

### Daten

Herstellungsart

5/32" Normalschlinge

Polmaterial

100% Reine Schurwolle

Träger

100% PP woven

Rückenbeschichtung

Komfort Latex, Ultra Light Vlies®

Polgewicht /m<sup>2</sup>

800 gr.

Polhöhe

4 mm.

Gesamtgewicht /m<sup>2</sup>

2450 gr., 1500 gr.

Gesamtdicke

8 mm., 7 mm.

Noppenanzahl /m<sup>2</sup>

100.800

Breite

400 / 500 cm.

Rollelänge

25 m.

Musterrapport

-

Spezial Kennzeichnung

Antistatisk

Einstufung

Brennverhalten

Erdableitwiderstand ?

Elektrostatisches Verhalten

2 kV., 2 kV.

Trittschallverbesserungsmass

?Lw ? 20 dB, ?Lw ? 20 dB

Wärmerdurchlasswiderstand

0,13, 0,12

### Einstufung

