



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

14158-10-1023

Robust [30] Nadelvlies 1700-01 bis 1700-09

Product group: Flooring - Needle-punched felt - Carpet flooring

WILTS

Egbert Wilts GmbH & Co. KG
Nessestraße 1 c
26789 Leer



Product qualities:



Köttner

Helmut Köttner
Scientific Director
Freiburg, 12 December 2025



Product:

**Robust [30] Nadelvlies 1700-01 bis
1700-09**

SHI Product Passport no.:

14158-10-1023



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





Product:

**Robust [30] Nadelvlies 1700-01 bis
1700-09**

SHI Product Passport no.:

14158-10-1023



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 $\leq 100 \mu\text{g}/\text{m}^3$ Formaldehyd $\leq 4 \mu\text{g}/\text{m}^3$	Indoor Air Quality Certified



Product:

**Robust [30] Nadelvlies 1700-01 bis
1700-09**

SHI Product Passport no.:

14158-10-1023



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: Technisches Datenblatt Stand: 12.06.2025



Product:

**Robust [30] Nadelvlies 1700-01 bis
1700-09**

SHI Product Passport no.:

14158-10-1023



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
Verification: Technisches Datenblatt Stand: 12.06.2025			

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: Technisches Datenblatt Stand: 12.06.2025			



Product:

**Robust [30] Nadelvlies 1700-01 bis
1700-09**

SHI Product Passport no.:

14158-10-1023



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: Technisches Datenblatt Stand: 12.06.2025			



Product:

**Robust [30] Nadelvlies 1700-01 bis
1700-09**

SHI Product Passport no.:

14158-10-1023



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: Technisches Datenblatt Stand: 12.06.2025			



Product:

**Robust [30] Nadelvlies 1700-01 bis
1700-09**

SHI Product Passport no.:

14158-10-1023



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: Technisches Datenblatt Stand: 12.06.2025			



Product:

**Robust [30] Nadelvlies 1700-01 bis
1700-09**

SHI Product Passport no.:

14158-10-1023



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: Technisches Datenblatt Stand: 12.06.2025



Product:

**Robust [30] Nadelvlies 1700-01 bis
1700-09**

SHI Product Passport no.:

14158-10-1023



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.



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.



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.



The *Blue Angel* ("Blauer Engel") ecolabel, awarded by the German Federal Environment Agency, is one of the oldest and most widely used ecolabels in Germany. It exists in several variants for many different product groups. Since the test criteria, such as threshold values, differ between these variants, it is important to consider each one individually when assessing indoor air quality.



"TÜV PROFICERT-product Interior" is a certification procedure developed for interior products. The certification is carried out according to strict TÜV health and quality criteria. The PREMIUM variant requires particularly low emission levels.



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



Product:

**Robust [30] Nadelvlies 1700-01 bis
1700-09**

SHI Product Passport no.:

14158-10-1023



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/C3%BCr%20Produkte>

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



Publisher

Sentinel Holding Institut GmbH
Bötzingen Str. 38
79111 Freiburg im Breisgau
Tel.: +49 761 59048170
info@sentinel-holding.eu
www.sentinel-holding.eu

Robust 1700



PRODUKTBESCHREIBUNG

Farbenanzahl	9 Farben
Herstellungsverfahren	Nadelvlies
Bahnbreite	200 cm
Nutzschicht	100% Polyamid solution dyed
Nutzschichteinsatzgewicht	650 g/m ²
Gesamthöhe ISO 1765	6,20 mm
Flächengewicht ISO 8543	1450 g/m ²
Rücken	Textilrücken (Vlies)

KLASSIFIZIERUNG

Nutzungsklasse EN 1307	33
Brandverhalten EN 13501-1	Bfl-s1
Rutschhemmung EN 13893	DS (> 0,30)

TECHNISCHE EIGENSCHAFTEN

Trittschallverbesserung EN ISO 10140-3	23 dB
Elektrostatische Aufladung ISO 6356	≤ 2 kV
Lichtechtheit ISO 105-B02	7
Wärmedurchlasswiderstand ISO 8302	0,12 m ² K/W
Stuhlrolleneignung	geeignet
Fußbodenheizung	geeignet
Treppeneignung	geeignet – permanente Nutzung

PRODUKTHINWEISE

TÜV PROFICERT product

70 710 5617-2 (Premium)



Mitglied der
DGNB
Deutscher Gesellschaft für Nachhaltiges Bauen
German Sustainable Building Council



Dieses Technische Merkblatt wurde auf Grundlage des aktuellen Stands der Technik und den Erfahrungen unserer Anwendungstechnik erstellt. Aufgrund der Vielfalt möglicher Untergründe und Objektbedingungen entbinden die Angaben in dem Merkblatt den Anwender nicht von der sich auch aus den allgemeinen Handwerksregeln ergebenden Verpflichtung, vor der beabsichtigten Verwendung eigenverantwortlich die Eignung und Verwendbarkeit (z.B. durch Probeanstriche etc.) zu prüfen. Für Anwendungen, die nicht eindeutig in diesem Merkblatt erwähnt werden, können wir keine Verantwortung übernehmen. Bitte kontaktieren Sie hier vor Ausführung unsere Anwendungstechnik. Dies gilt insbesondere bei Kombinationen mit anderen Produkten. Bei Erscheinen einer Neuauflage verlieren alle vorangegangenen Technischen Merkblätter ihre Gültigkeit.

Egbert Wilts GmbH & Co.KG
Nessestraße 1c
26789 Leer (Ostfriesland)
Deutschland
Telefon: +49 491/9811-0
E-Mail: info@wilts.de