



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

14149-10-1021

fourteen Solid

Product group: Laminate



SWISS KRONO Tec AG
Museggstr. 14
6004 Luzern



Product qualities:



Köttner

Helmut Köttner
Scientific Director
Freiburg, 20 April 2026



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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: Eurofins Prüfbericht vom 29.12.2025 (Nr. 392-2025-00688101_H_EN). Herstellereklärung vom 07.07.2025			



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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 Prüfbericht vom 29.12.2025 (Nr. 392-2025-00688101_H_EN)



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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	Considered substances	Assessment
EQ Credit: Low-Emitting Materials	Bodenbeläge	Emissionen: Formaldehyd, VOC, Krebserregende Stoffe	compliant

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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.



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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%BCfverfahren/C3%BCr%20Produkte>

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FOURTEEN solid

1. Produktbeschreibung

- | | |
|---------------------------------|--|
| 1.1. Dielenformat | 1845 x 239 x 14 mm |
| 1.2. Verpackung | 3 Dielen pro Paket = 1,323 m ² |
| 1.3. Aufbau | |
| - Oberfläche | Dreidimensional vernetztes Melaminharz mit Korund |
| - Dekor | Dreidimensional vernetztes Melaminharz |
| - Mittellage | Hochverdichtete Holzfaserverplatte, HDF |
| - Gegenzug | Dreidimensional vernetztes Melaminharz |
| 1.4. Verlegung | Mechanisches Verriegelungssystem – Clic-System, neues innovatives Clic-System, 50% Zeitersparnis, schwimmend verlegt nach der Verlegeanweisung |
| 1.5. Klassifizierung | ISO 10874 Klasse 23: Wohnen: Starke Beanspruchung
Klasse 33: Gewerblich: Starke Beanspruchung |
| | nach DIN EN 13329 |
| | EN 14041 CE – Kennzeichnung |
| 1.6. Brandverhalten | EN 13501 C _{fl} – s1 |
| 1.7. Emissionsverhalten | E1 garantiert unter 0,05 ppm |
| 1.8. Gleitverhalten | Technische Klasse DS |
| 1.9. Fussbodenheizung | Wärmedurchlaßwiderstand nach DIN EN 12667 R = 0,10 [(m ² * K)/W] |
| 2.0. Beständigkeit gegen Wasser | ISO 4760 (NALFA), mind. Klasse 2 (Quellung ≤ 0,3 mm) |



FOURTEEN solid

	Eigenschaft	Anforderung	Einheit	Prüfverfahren
1.	Dicke	14	mm	EN 17539
2.	Beanspruchungsklasse	21 - 33		EN 13329
3.	Beständigkeit gegen Abrieb	AC5		ISO 24338 Verfahren A
4.	Beständigkeit gegen Stoßbeanspruchung	kleine Kugel ≥ 70 mm große Kugel ≥ 750 mm		EN 17368 Anhang C
5.	Dickenquellung	≤ 15	%	ISO 24336
6.	Fleckenunempfindlichkeit	Grad 5 (Gruppe 1 bis 2) Grad 4 (Gruppe 3)		EN 438-2
7.	Abhebefestigkeit	≥ 1,25	N/mm ²	EN 311
8.	Verbindungsfestigkeit	Fl 0,2 ≥ 1 Fs 0,2 ≥ 2	kN/m	ISO 24334
9.	Breite der Deckschicht	max ± 0,2	mm	EN 17539
10.	Länge der Deckschicht	l ≤ 1500 mm: Δl ≤ 0,5 l > 1500 mm: Δl ≤ 0,3	mm/m	EN 17539
11.	Rechtwinkligkeit	max ≤ 0,2	mm	EN 17539
12.	Kantengeradheit	max ≤ 0,3	mm/m	EN 17539
13.	Höhenunterschiede	max ≤ 0,15	mm	EN 17539
14.	Fugenöffnungen	max ≤ 0,2	mm	EN 17539
15.	Formaldehyd	≤ 0.05	ppm	EN 717-1

Erstellt (Datum, Unterschrift)	Geprüft und Freigegeben (Datum, Unterschrift)	
QS	01.02.2026 NB	

Supplier Declaration

Heiligengrabe, 7. Juli 2025

Manufacturer: SWISS KRONO TEX GmbH & Co. KG
Wittstocker Chaussee 1
16909 Heiligengrabe, Germany

Products

- Laminate Floors
- OSB-Boards
- MDF/HDF-Boards
- Wall Panels
- Printed Decor Paper

We hereby declare that, to the best of our current knowledge, the above-mentioned products comply with the requirements of the following regulations and directives.

REACH (Registration, Evaluation, Authorization and Restriction of Chemicals)

Our products and packaging are free of substances listed in Annex XIV of Regulation (EC) No. 1907/2006¹ or on the candidate list of substances of very high concern and for which notification is required on the basis of the weight content.

Date of the SVHC candidate list (echa.europa.eu/candidate-list-table): 2025-06-25.

POP (Persistent organic pollutants)

No substances are used in our products and packaging that are banned or restricted under Article 3 of Regulation (EU) No. 2019/1021².

ROHS (Restriction of hazardous substances in electrical and electronic equipment)

No substances are used in our products that are restricted or banned according to Directive 2011/65/EU³ and Delegated Directive (EU) 2015/863⁴.

[Quality Department]



¹ Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

² Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

³ Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

⁴ Commission Delegated Directive (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances