SENTINEL HOLDING
INSTITUT

SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

15419-10-1000

SPC

Product group: Interior construction - Floor coverings / Wall coverings - Vinyl

FALQUON
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FALQUON GmbH
Am Hünengrab 18
16928 Pritzwalk

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

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

Köttner

Helmut Köttner
Scientific Director
Freiburg, 02 February 2026

SENTINEL HOLDING
INSTITUT

Product:
SPC

SHI Product Passport no.:
15419-10-1000

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Contents

SHI Product Assessment 2024	1
QNG - Qualitätssiegel Nachhaltiges Gebäude	2
DGNB New Construction 2023	3
DGNB New Construction 2018	5
BNB-BN Neubau V2015	6
EU taxonomy	7
BREEAM DE Neubau 2018	8
Product labels	9
Legal notices	10
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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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 ≤ 160 µg/m^3 Formaldehyd ≤ 10 µg/m^3	Indoor Air Quality Certified
Valid untill: 30 April 2029			

Product:
SPC

SHI Product Passport no.:
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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	2.2 Resilient floor coverings – including multilayer systems	VOC / Emissions / hazardous substances / polycyclic aromatic hydrocarbons (PAH) / SVHC / heavy metals	QNG ready
Verification: Herstellererklärung vom 08.04.2025. Indoor Air Comfort Gold Zertifizierung vom 30.09.2024			

Product:
SPC

SHI Product Passport no.:
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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	Assessment
ENV1.1 Climate action and energy (*)	May positively contribute to the overall building score
Verification: EPD & LCA	

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

Criteria	Assessment
SOC1.2 Indoor air quality (*)	May positively contribute to the overall building score

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: Herstellererklärung vom 08.04.2025. Indoor Air Comfort Gold Zertifizierung vom 30.09.2024			

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: Herstellererklärung vom 08.04.2025. Indoor Air Comfort Gold Zertifizierung vom 30.09.2024			

Product:
SPC

SHI Product Passport no.:
15419-10-1000

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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	7 Floor coverings (Resilient floor coverings)	VOC / SVOC / hazardous substances	Quality level 4
Verification: Herstellererklärung vom 08.04.2025. Indoor Air Comfort Gold Zertifizierung vom 30.09.2024			

Product:
SPC

SHI Product Passport no.:
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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: Herstellererklärung vom 08.04.2025. Indoor Air Comfort Gold Zertifizierung vom 30.09.2024			

Product:
SPC

SHI Product Passport no.:
15419-10-1000

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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: Herstellererklärung vom 08.04.2025. Indoor Air Comfort Gold Zertifizierung vom 30.09.2024			

Product:
SPC

SHI Product Passport no.:
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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 Instituts EPH Entwicklungs- und Prüflabor Holztechnologie GmbH vom 23.01.2023 (Nr. 2722617).			

Product:
SPC

SHI Product Passport no.:
15419-10-1000

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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 IBU ("Institut Bauen und Umwelt e.V.") is an initiative of building product manufacturers committed to sustainability in construction. It serves as the programme operator for Environmental Product Declarations (EPDs) in accordance with the EN 15804 standard. The IBU EPD programme provides comprehensive life cycle assessments and environmental impact data for construction products, supported by independent third-party verification.

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.

Product:
SPC

SHI Product Passport no.:
15419-10-1000

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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

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

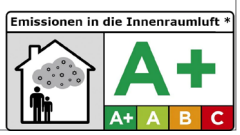
SGS TÜV SAAR

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

Technische Spezifikationen

Prüfung	Prüfnorm	Eigenschaften
Formaldehydemission	EN 717-1	E1 < 0,05 ppm
Fleckenunempfindlichkeit der	EN 438-2	Gruppe 1+2: Grad 5
Nutzschicht		Gruppe 3: Grad 4
Lichtechtheit	EN ISO 105-B02	Blauwollskala, nicht schlechter als 6
	EN ISO 105-A02	Graumaßstab, nicht schlechter als 4
Brandverhalten	EN 13501-1	schwer entflammbar, mindestens B_{fl}-s1
Höhenunterschiede zwischen	EN 17539	Durchschnitt: ≤ 0,10 mm
zusammengefügten Elementen		max: ≤ 0,15 mm
Kantengeradheit	EN 17539	≤ 0,3 mm/m
Fugenöffnungen zwischen	EN 17539	Durchschnitt: ≤ 0,15 mm
zusammengefügten Elementen		max: ≤ 0,20 mm
Resteindruck	EN ISO 24343-1	≤ 0,1mm
Mikrokratzbeständigkeit	EN 16094	≤ MSR - A1 ; ≤ MSR - B1
Beständigkeit gegen Abrieb	ISO 24338	AC5, ≥ 6.000 Zyklen
Beständigkeit gegen	EN 13329, Anh. H	≥ 1.800 mm
Stoßbeanspruchung		
Rutschhemmung	EN 51130	R9 (SUMT); R10 (WS)
Gleitreibung	EN 13893	DS
Dimensionsstabilität	EN ISO 23999	≤ 0,15 %
Dickenquellung	ISO 24336	≤ 0,05 %
Stuhlrollenfestigkeit	ISO 4918	25.000 Zyklen
Klassifizierung	EN ISO 10874	34
Wärmedurchlasswiderstand	EN 12667	0,0375 (m²K)/W
Trittschallverbesserung	EN ISO 10140-3	Δ Lw = 18dB



Produkteigenschaften

- pflegeleicht & widerstandsfähig
- weitgehend zigarettenglutfest
- strapazierfähig & druckfest
- fleckenunempfindlich
- lichtunempfindlich und wirken auch nach Jahren noch brillant
- abriebbeständig
- schwer entflammbar
- gehkomfortabel
- für die Verlegung auf Fußbodenheizung bestens geeignet
- hauptsächlich aus natürlichen Rohstoffen gefertigt

Besondere Eigenschaften

- Microfuge
- V-Fuge
- 100% recycelbar

Produktdaten

Stone

Struktur	Supermatt (MT)/ Highgloss (HG)
Paneel	800 x 400 x 6 mm
Karton	6 Paneele = 1,92 m²
Palette	109,44 m² = 1100 kg
	57 Kartons

Wood

Struktur	Wood-Struktur (WS)
Paneel	1.500 x 200 x 6 mm
Karton	6 Paneele = 1,80 m²
Palette	108,00 m² = 1061 kg
	60 Kartons

Herringbone

Struktur	Wood-Struktur (WS)
Paneel	740 x 148 x 6 mm
Karton	16 Paneele = 1,75 m²
Palette	105,14 m² = 1.015 kg
	60 Kartons A und B

FALQUON
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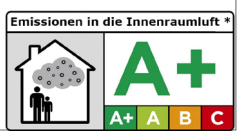
Technische Spezifikationen

Prüfung	Prüfnorm	Eigenschaften
Formaldehydemission	EN 717-1	E1 < 0,05 ppm
Fleckenunempfindlichkeit der	EN 438-2	Gruppe 1+2: Grad 5
Nutzschicht		Gruppe 3: Grad 4
Lichtechtheit	EN ISO 105-B02	Blauwollskala, nicht schlechter als 6
	EN ISO 105-A02	Graumaßstab, nicht schlechter als 4
Brandverhalten	EN 13501-1	schwer entflammbar, mindestens B_{fl}-s1
Höhenunterschiede zwischen	EN 17539	Durchschnitt: ≤ 0,10 mm
zusammengefügten Elementen		max: ≤ 0,15 mm
Kantengeradheit	EN 17539	≤ 0,3 mm/m
Fugenöffnungen zwischen	EN 17539	Durchschnitt: ≤ 0,15 mm
zusammengefügten Elementen		max: ≤ 0,20 mm
Resteindruck	EN ISO 24343-1	≤ 0,1mm
Mikrokratzbeständigkeit	EN 16094	≤ MSR - A1 ; ≤ MSR - B1
Beständigkeit gegen Abrieb	ISO 24338	AC3, ≥ 6.000 Zyklen
Beständigkeit gegen	EN 13329, Anh. H	≥ 1.800 mm
Stoßbeanspruchung		
Rutschhemmung	EN 51130	R9 (SUMT); R10 (WS)
Gleitreibung	EN 13893	DS
Dimensionsstabilität	EN ISO 23999	≤ 0,15 %
Dickenquellung	ISO 24336	≤ 0,05 %
Stuhlrollenfestigkeit	ISO 4918	10.000 Zyklen
Nutzungsklasse	EN ISO 10874	31
Wärmedurchlasswiderstand	EN 12667	0,0375 (m²K)/W



Produkteigenschaften

- pflegeleicht & widerstandsfähig
- weitgehend zigarettenglutfest
- strapazierfähig & druckfest
- fleckenunempfindlich
- lichtunempfindlich und wirken auch nach Jahren noch brillant
- abriebbeständig
- schwer entflammbar
- gehkomfortabel
- für die Verlegung auf Fußbodenheizung bestens geeignet
- hauptsächlich aus natürlichen Rohstoffen gefertigt

Produktdaten

	Light
Struktur	Wood Struktur (WS)
Paneel	1200 x 200 x 4 mm
Karton	10 Paneele = 2,4 m²
Palette	115,2 m² = 940 kg
	48 Kartons

	Light Plus
Struktur	Wood Struktur (WS)
Paneel	1200 x 200 x 5 mm
Karton	8 Paneele = 1,92 m²
Palette	99,84 m² = 875 kg
	52 Kartons

Besondere Eigenschaften

- Microfuge
- 100% recycelbar

Sicherheitsdatenblatt für SPC (Stone Plastic Composite) Fußboden

Druckdatum: 15.01.2025 Version: 1.0

ABSCHNITT 1: Identifikation

Produktname:	**SPC Fußboden**
Hersteller:	Falquon GmbH
Adresse:	Am Hünengrab 18, 16928 Pritzwalk , Germany
Telefonnummer:	033986 502110
Produktart:	Produktmischung
Produktname:	Stone Plastic Composite Fußboden
Synonym:	SPC
Relevant identified uses	wasserdichter Bodenbelag für gewerbliche und stark frequentierte Bereiche, Küchen, Badezimmer, Keller, Wohnungen usw.

ABSCHNITT 2: Gefährdungsbeurteilung

Einstufung des Stoffes oder Gemisches:

Nach dem Global harmonisierten System zur Einstufung und Kennzeichnung von Chemikalien (GHS) nicht als gefährlich eingestuft.

Potenzielle Gefahren:

Unter normalen Nutzungsbedingungen sind mit SPC-Bodenbelägen keine besonderen Gefahren verbunden. Beim Schneiden oder Schleifen entstehender Staub kann jedoch zu Atemwegsreizungen führen.

ABSCHNITT 3: Zusammensetzung/Informationen zu den Inhaltsstoffen

Chemische Bezeichnung:	Stone Plastic Composite (SPC): Polyvinylchlorid, Calciumcarbonat, chloriertes Polyethylen, Acrylat, Calcium-Zink-Stabilisator, UV-gehärtetes Acryl und XPS-Schaum.

Produktname	CAS-Nr.	Konzentration
PVC (Polyvinylchlorid)	9002-86-2	20-30%
Calciumcarbonat	471-34-1	70-80%
Chloriertes Polyethylen	63231-66-3	< 2%
Calcium-Zink Stabilisator		<2%
Acrylat		< 1%
XPS Schaum (Polystyrol)	9003-53-6	< 2%

ABSCHNITT 4: Erste-Hilfe Maßnahmen

Einatmen:

Bei Staubbildung die betroffene Person an die frische Luft bringen. Bei anhaltenden Symptomen ärztliche Hilfe aufsuchen.

Hautkontakt:

Betroffene Stelle mit Wasser und Seife waschen. Bei Reizung ärztliche Hilfe aufsuchen.

Augenkontakt:

Augen mindestens 15 Minuten lang mit Wasser spülen. Bei anhaltender Reizung ärztliche Hilfe aufsuchen.

Verschlucken:

Bei Verschlucken kein Erbrechen herbeiführen. Mund mit Wasser ausspülen und ärztliche Hilfe aufsuchen.

Sicherheitsdatenblatt für SPC (Stone Plastic Composite) Fußboden

Druckdatum: 15.01.2025 Version: 1.0

ABSCHNITT 5: Brandschutzmaßnahmen

Empfohlene Löschmittel:

Verwenden Sie je nach Umgebungsmaterial Sprühwasser, Schaum, Trockenchemikalien oder Kohlendioxid.

Spezielle Gefahren, die von der Substanz oder Mischung ausgehen:

Keine spezifischen Gefahren. Nicht brennbares Material.

Besondere Schutzausrüstung und Vorsichtsmaßnahmen für Feuerwehrleute:

Tragen Sie geeignete Schutzausrüstung und ein umluftunabhängiges Atemschutzgerät (SCBA).

ABSCHNITT 6: Maßnahmen bei unbeabsichtigter Freisetzung

Personenbezogene Vorsichtsmaßnahmen:

Schutzausrüstung tragen (siehe Abschnitt 8). Staubbildung vermeiden. Einatmen von Staub vermeiden.

Umweltbezogene Vorsichtsmaßnahmen:

Vermeidung von Austritt in Abwasserkanäle, Wasserläufe oder tiefer gelegene Bereiche.

Methoden und Materialien zur Eindämmung und Reinigung:

Verschüttetes Material mit einem Staubsauger oder durch Nassfegen aufnehmen, um Staubbildung zu vermeiden.

ABSCHNITT 8: Expositionskontrolle/persönlicher Schutz

Kontrollparameter: N/A

Persönliche Schutzausrüstung (PSA):

Atemschutz: Bei Staubentwicklung Staubmaske verwenden.
Augenschutz: Schutzbrille oder Schutzbrille.
Handschutz: Handschuhe.
Hautschutz: Langärmlige Kleidung.

ABSCHNITT 9: Physikalische und Chemische Eigenschaften

Aussehen:	Feststoff, SPC-Plattenwerkstoff
Geruch:	N/A
pH-Wert:	N/A
Schmelzpunkt/Gefrierpunkt:	N/A
Siedepunkt:	N/A
Flammpunkt:	N/A
Entflammbarkeit:	N/A
Dampfdruck:	N/A
Dichte:	N/A
Löslichkeit in Water:	N/A

Brennverhalten bei Verwendung einer Strahlungswärmequelle nach DIN EN ISO 9239-1:
Kritischer Wärmestrom: 11,35 [kW/m2]
Rauchentwicklung [% * min]: 606,2
Klassifizierung: Bfl-s1

Bruttoverbrennungswärme nach EN ISO 1716:2018-07:
Heizwert nach ISO 1716: 6,3868 PCS [MJ/kg]

Sicherheitsdatenblatt für SPC (Stone Plastic Composite) Fußboden

Druckdatum: 15.01.2025 Version: 1.0

ABSCHNITT 10: Stabilität und Reaktivität

Reaktivität:	Keine besonderen Gefahren zu erwarten.
Chemische Stabilität:	Unter normalen Bedingungen stabil.

ABSCHNITT 11: Toxicological Information

Unter normalen Verwendungsbedingungen ist keine akute Toxizität zu erwarten.

Hautverätzung/-reizung:

Verursacht voraussichtlich keine Hautreizungen.

Schwere Augenschädigung/-reizung:

Verursacht voraussichtlich keine Augenreizungen.

ABSCHNITT 13: Entsorgungshinweise

Das Produkt ist gemäß den staatlichen Vorschriften zu entsorgen.

ABSCHNITT 14: Transportinformationen

Es bestehen keine Einschränkungen für den Transport.

ABSCHNITT 15: Vorschriften

Das Produkt entspricht den einschlägigen Vorschriften.

ABSCHNITT 16: Sonstige Informationen

Haftungsausschluss: Die Falquon GmbH hat alle angemessenen Anstrengungen unternommen, um die Genauigkeit und Zuverlässigkeit der hierin enthaltenen Informationen sicherzustellen und haftet, soweit gesetzlich zulässig, nicht für Ungenauigkeiten, Auslassungen oder Fehler in diesen Informationen oder für Maßnahmen, die im Vertrauen auf diese Informationen getroffen werden. Produkte müssen gemäß den relevanten Installationsempfehlungen und bewährten Praktiken der Branche installiert werden.
Aufgrund möglicher technischer Änderungen obliegt es dem Benutzer, sich die aktuellsten Informationen zu besorgen.

Safety Data Sheet for SPC (Stone Plastic Composite) Flooring

Print date: January 15,2025 Version: 1.0

SECTION 1: Identification

Product Name:	**SPC Flooring**
Manufacturer's Name:	Falquon GmbH
Address:	Am Hünengrab 18, 16928 Pritzwalk , Germany
Telephone Number:	033986 502110
Product form:	mixture Product
Product name:	Stone Plastic Composite Flooring
Synonyms:	SPC
Relevant identified uses	waterproof flooring for commercial & high-traffic areas, Kitchens, bathrooms, basements, apartments and etc.

SECTION 2: Hazard Identification

Classification of the Substance or Mixture:

Not classified as hazardous under the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Potential Hazards:

No specific hazards associated with SPC Flooring under normal conditions of use. However, dust generated during cutting or sanding may pose respiratory irritation.

SECTION 3: Composition/Information on Ingredients

Chemical Name:	Stone Plastic Composite (SPC): Poly Vinyl Chloride, Calcium Carbonate, Chlorinated polyethylene, Acrylate, Calcium-zinc stabilizer, UV Cured Acrylic & XPS Foam.

Product name	CAS-No.	Concentration
PVC (Polyvinylchlorid)	9002-86-2	20-30%
Calcium Carbonate	471-34-1	70-80%
Chlorinated polyethylene	63231-66-3	< 2%
Calcium-zinc stabiliser		<2%
Acrylate		< 1%
XPS Foam (Polystyrene)	9003-53-6	< 2%

SECTION 4: First-Aid Measures

Inhalation:

If dust is generated, move the affected person to fresh air. If symptoms persist, seek medical attention.

Skin Contact:

Wash affected area with soap and water. If irritation occurs, seek medical attention.

Eye Contact:

Flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.

Ingestion:

If ingested, do not induce vomiting. Rinse mouth with water and seek medical attention.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media:

Use water spray, foam, dry chemical, or carbon dioxide as appropriate for surrounding materials.

Specific Hazards Arising from the Substance or Mixture:

No specific hazards. Non-combustible material.

Special Protective Equipment and Precautions for Firefighters:

Wear appropriate protective equipment and self-contained breathing apparatus (SCBA).

SECTION 6: Accidental Release Measures

Personal Precautions:

Wear protective equipment (see Section 8). Avoid dust formation. Avoid breathing dust.

Environmental Precautions:

Prevent entry into sewers, watercourses, or low areas.

Methods and Materials for Containment and Cleaning Up:

Collect spilled material using vacuum equipment or by wet sweeping to avoid dust formation.

SECTION 8: Exposure Controls/Personal Protection

Control Parameters: N/A

Personal Protective Equipment:

Respiratory Protection: Use a dust mask if dust is generated.
Eye Protection: Safety glasses or goggles.
Hand Protection: Gloves.
Skin Protection: Long-sleeved clothing.

SECTION 9: Physical and Chemical Properties

Appearance:	Solid SPC rigid Plank
Odor:	N/A
pH:	N/A
Melting Point/Freezing Point:	N/A
Boiling Point/Boiling Range:	N/A
Flash Point:	N/A
Flammability (solid, gas):	N/A
Vapor Pressure:	N/A
Density:	N/A
Solubility in Water:	N/A

Burning behavior using a radiant heat source according to DIN EN ISO 9239-1:
Critical heat flow: 11,35 [kW/m^2]
Smoke production [% * min]: 606,2
Classification: Bfl-s1
Gross heat of combustion according to EN ISO 1716:2018-07:
Calorific value acc. to ISO 1716: 6,3868 PCS [MJ/kg]

SECTION 10: Stability and Reactivity

Reactivity:	No specific reactivity hazards.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	None under normal processing.

SECTION 11: Toxicological Information

No acute toxicity expected under normal conditions of use.

Skin Corrosion/Irritation:

Not expected to cause skin irritation.

Serious Eye Damage/Irritation:

Not expected to cause eye irritation.

SECTION 13: Disposal Considerations

Dispose of according to local, state, and federal regulations.

SECTION 14: Transport Information

Not regulated for transportation.

SECTION 15: Regulatory Information

This product is in compliance with relevant regulations.

SECTION 16: Other Information

Disclaimer: Falquon GmbH has used its reasonable endeavors to ensure the accuracy and reliability of the information contained herein and, to the extent permitted by law, will not be liable for any inaccuracies, omissions or errors in this information nor for any actions taken in reliance on this information. Products must be installed in accordance with relevant installation recommendations and industry best practices.
Due to possible technical changes, it is incumbent upon the user to obtain the most up to date information.

ENVIRONMENTAL PRODUCT DECLARATION

as per *ISO 14025* and *EN 15804+A2*

Owner of the Declaration	MMFA - Multilayer Modular Flooring Association
Publisher	Institut Bauen und Umwelt e.V. (IBU)
Programme holder	Institut Bauen und Umwelt e.V. (IBU)
Declaration number	EPD-MMF-20250077-CBF1-EN
Issue date	05.03.2025
Valid to	04.03.2030

Vinyl- SPC- floor covering

MMFA (Multilayer Modular Flooring Association)

Institut Bauen und Umwelt e.V.

ECO PLATFORM EPD VERIFIED

www.ibu-epd.com | https://epd-online.com

General Information

MMFA (Multilayer Modular Flooring Association)

Programme holder

IBU – Institut Bauen und Umwelt e.V.
Hegelplatz 1
10117 Berlin
Germany

Declaration number

EPD-MMF-20250077-CBF1-EN

This declaration is based on the product category rules:

Floor coverings, 01.08.2021
(PCR checked and approved by the SVR)

Issue date

05.03.2025

Valid to

04.03.2030

Dipl.-Ing. Hans Peters
(Chairman of Institut Bauen und Umwelt e.V.)

Florian Pronold
(Managing Director Institut Bauen und Umwelt e.V.)

Vinyl- SPC- floor covering

Owner of the declaration

MMFA - Multilayer Modular Flooring Association
Mittelstrasse 50
33602 Bielefeld
Germany

Declared product / declared unit

1 m² of Vinyl-SPC floor covering

Scope:

This Environmental Product Declaration (EPD) is an association EPD and refers to a representative Vinyl-SPC floor covering produced by European manufacturers that are members of MMFA®.
Data are based on production during 2022-2023 in Europe and China.
Data have been provided by 4 companies of MMFA which represent 66 % percent of MMFA members.
The declared Vinyl-SPC floor covering represents a weighted average of best-selling products withing the thickness range of 4.3 - 5.0 mm, that meets the requirements of the use classes: 21-23, 31-34 according to EN ISO 10582 or EN 16511, ISO 10874.
The owner of the declaration shall be liable for the underlying information and evidence; the IBU shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

The EPD was created according to the specifications of EN 15804+A2. In the following, the standard will be simplified as *EN 15804*.

Verification

The standard EN 15804 serves as the core PCR
Independent verification of the declaration and data according to ISO 14025:2011
☐ internally ☒ externally

Mrs Kim Allbury,
(Independent verifier)

Product

Product description/Product definition

Vinyl-SPC floor coverings described in this EPD are produced or sold by member companies of MMFA®. The floor coverings meet the requirements of *EN ISO 10582* or *EN 16511*.
Vinyl-SPC floorings consist of a number of layers. On the top side, there is a PVC-decor layer with a transparent, wear-resistant contact surface which is varnished; in the middle there is a high-density core layer (SPC) made of a PVC as binder and approximately 60 percent mineral filler from calcium carbonate and on the back side there is a stabilizing layer to guarantee floor stability. Certain product constructions offer as well integrated impact sound insolation.
The decorative layer of a Vinyl-SPC floor covering can be printed with any design and gives the floor its individual appearance. For the placing on the market of the product in the European Union/European Free Trade Association (EU/EFTA) (with the exception of Switzerland) Regulation (EU) No. 305/2011 (CPR) applies. The product needs a declaration of performance taking into consideration *EN 14041:2004+AC:2005+AC:2006 Resilient, textile and laminate floor coverings – Essential characteristics and the CE-marking*. For the application and use the respective national provisions apply.

Application

The Vinyl-SPC floor covering described in this EPD is intended to be used within a building and meets the requirements of the use classes: 21-23, 31-34 according to *EN ISO 10582* or *EN 16511, EN ISO 10874*.
For the application and use the respective national provisions apply.

Technical Data

The following table contains the construction data of the declared product group:

Constructional data

Name	Value	Unit
Product thickness	4.3 - 5	mm
Grammage	7900 - 9500	g/m^2
Product Form	Panel	-
Length of the surface layer	300 - 2500	mm
Width of the surface layer	70 - 600	mm
Length and width of squared elements	250 - 700	mm
Density	1750 - 1900	kg/m^3

Performance data of the product in accordance with the declaration of performance with respect to its essential characteristics according to *EN 14041:2004+AC:2005+AC:2006*.

Base materials/Ancillary materials

The composition of the declared Vinyl- SPC floor covering in mass % is:

- 58.5 % Calcium Carbonate
- 34.8 % PVC
- 4.5 % Additives
- 1.5 % Attached Pad
- 0.7 % Others

PVC-based surface layer
The surface layer consists of a UV-varnished transparent PVC wear layer and a decorative printed layer.

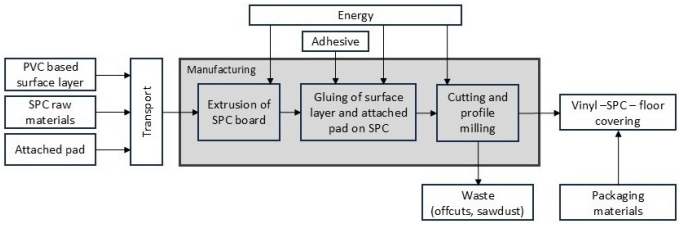
SPC (Solid Polymer Core)
The core board is a high-density board composed of PVC as binder and calcium carbonate (mineral reinforcement) as filler.

Attached pad
As a fixed underlay material an attached pad an expanded polymer.

This product contains substances listed in the *candidate list (SVHC)* (date: 25.08.2023) exceeding 0.1 percentage by mass: **NO.**

Manufacturing

The illustration below describes the manufacturing process of the floor covering (simplified).



The system boundary can slightly differ from the illustration, as some manufacturers purchase SPC boards as pre-products. The same applies for the PVC-based surface layer, which is partly manufactured in-house and partly supplied externally.

Packaging

As packaging materials mainly wooden pallets, cardboard and polyethylene film are used. Wooden pallets can be used several times and can be recycled at the end of life. Cardboards and polyethylene films can be fed into the recycling cycle in accordance with local regulations and possibilities and thus be reused.

Reference service life

The estimated service life of a floor covering depends e.g. on the type of floor covering and the area of application, the user and the maintenance of the product. Comparisons of different floor coverings are only allowed if these parameters are considered in a consistent way. A minimum service life of 25 years can be assumed, technical service life can be considerably longer (*BNB* refers to a service life of 20 years). The use stage is declared in this EPD for a one-year usage.

Extraordinary effect

Vinyl- SPC- floor coverings are normally in the reaction to fire class Bfl-s1 according to *EN 13501-1*.

Re-use phase

Vinyl- SPC- panels are installed loose-laid and do have a high light resistance that delays a change in the decorative surface. They can thus be re-used in another flooring installation in case of careful and selective dismantling (damaged planks should be sorted out in any case).
Waste of Vinyl- SPC- panels can be used again completely after a mechanical recycling process in the extrusion process for SPC core boards. Also an energy recovery is possible. A landfill of the material is not known in Europe.

Disposal

The *European waste code (EWC)* is 17 02 03 (plastics).
If repeated use as floor coverings or recycling material is not possible, the product can be sent for energy recovery to

generate heat and electricity.
Open burning in a chimney is not possible, as the combustion of plastics leads to harmful emissions. Incineration should take place in a plant with a connected flue gas cleaning system, such as a waste incineration plant.
In all cases, disposal must be in accordance with federal, state and local waste disposal regulations.

LCA: Calculation rules

Declared Unit
Declared is 1 m^2 Vinyl- SPC- floor covering with the specifications listed in the table below.

Name	Value	Unit
Declared unit	1	m^2
Grammage	8.93	kg/m^2
Layer thickness (without attached pad)	0.00474	m
Gross density	1883	kg/m^3

The EPD declares an average of a specific product from factories of several manufacturers of floor coverings. The averaging was done by weighting according to the total production quantities of the manufacturers. The EPD is representative for the association MMFA. Regarding the variability of production data of the individual manufacturers, slight fluctuations can occur due to different production technologies, supply chains and locations.

Other declared units are allowed if the conversion is shown transparently.

System boundary
Type of EPD: cradle to gate with options, modules A4, A5, B2, modules C1–C3, module D.

Modules A1-A3 include processes that provide materials and energy input for the system, manufacturing and transport processes up to the factory gate, as well as waste processing.

Module A4 includes transport of the floor covering to the place of installation (100 km - truck diesel Euro 6).

Module A5 includes treatment and disposal of packaging material in the installation phase at the construction site. Installation efforts in form of offcuts or auxiliaries are not declared in the EPD.
For a simplified calculation of the environmental impact of 1 m² flooring including a certain amount of installation offcuts the values for the product stage (A1-A3), delivery (A4), packaging treatment (A5) and end of life (C, D) have to be multiplied by the amount of waste (e.g. 3 % installation waste, factor 1.03).

Module B2 includes provision of a cleaning agent, energy and water consumption for the cleaning of the floor covering incl. wastewater treatment. The LCA results in this EPD are declared for a one-year usage.

Module C1 considers manual deconstruction/dismantling.

Module C2 includes transportation of post-consumer waste to a waste processing plant (50 km - truck diesel Euro 6).

Module C3: 100 % incineration in a waste incineration plant in the EU. The collection rate is set to 100 %.

Module C4: As the end-of-life scenario is incineration in module C3, module C4 is declared without any environmental impacts.

Module D includes potential benefits from all net flows given in modules A3 (production waste), A5 (packaging waste) and C3 (product end-of-life) that leave the product system after having passed the end-of-waste state in the form of recovery potential.

Geographic Representativeness
Land or region, in which the declared product system is manufactured, used or handled at the end of the product´s lifespan: Europe

Comparability
Basically, a comparison or an evaluation of EPD data is only possible if all the data sets to be compared were created according to *EN 15804* and the building context, respectively the product-specific characteristics of performance, are taken into account. The used database is *Sphera MLC* (formerly GaBi), version 2024.1. The results are evaluated using characterisation factors in accordance with EF 3.1.

LCA: Scenarios and additional technical information

Characteristic product properties of biogenic carbon

Information on describing the biogenic carbon content at factory gate
The product does not contain any raw materials from renewable sources, therefore the biogenic carbon content in the product is declared as zero.

Name	Value	Unit
Biogenic carbon content in product	-	kg C
Biogenic carbon content in accompanying packaging	0.11	kg C

Note: 1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2.

Information on the electricity mix used in module A3:
Global Warming Potential (GWP-total acc. EN15804, EF3.1) of electricity mix: 0.67 kg CO2 eq/kWh

Transport to the construction site (A4)

Name	Value	Unit
Litres of fuel (per kg of transported good)	0.03	l/100km
Transport distance	100	km
Capacity utilisation (including empty runs)	55	%

Maintenance (B2) per year

Name	Value	Unit
Water consumption	0.0068	m^3
Auxiliary (Detergent)	0.051	kg
Electricity consumption	0.0739	kWh

End of Life (C1-C3)

Name	Value	Unit
Collected separately waste type	8.93	kg
Waste materials for energy recovery	8.93	kg

Reuse, recovery and/or recycling potentials (D), relevant scenario information

In module D, potential benefits from incineration processes in modules A3, A5 and C3 are declared.

LCA: Results

The following tables display the LCA results for 1 m² Vinyl-SPC- floor covering with a thickness of 4.7 mm and a surface weight of 8.93 kg/m². LCA results for module B2 declare a one-year usage.
The LCA results are representative for MMFA Vinyl- SPC- floor coverings with the described product characteristics, including product composition and geographical scope, and a thickness within the range of the collected data (4.0 - 5.0 mm).
The results are evaluated using characterisation factors in accordance with EF 3.1.

DESCRIPTION OF THE SYSTEM BOUNDARY (X = INCLUDED IN LCA; MND = MODULE OR INDICATOR NOT DECLARED; MNR = MODULE NOT RELEVANT)

Product stage			Construction process stage		Use stage							End of life stage				Benefits and loads beyond the system boundaries
Raw material supply	Transport	Manufacturing	Transport from the gate to the site	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse- Recovery- Recycling- potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	X	MND	X	MNR	MNR	MNR	MND	MND	X	X	X	X	X

RESULTS OF THE LCA - ENVIRONMENTAL IMPACT according to EN 15804+A2: 1 m² Vinyl-SPC- floor covering

Parameter	Unit	A1-A3	A4	A5	B2	C1	C2	C3	C4	D
GWP-total	kg CO_2 eq	1.35E+01	9.07E-02	4.4E-01	7.43E-02	0	4.54E-02	7.64E+00	0	-1.82E+00
GWP-fossil	kg CO_2 eq	1.42E+01	8.9E-02	4.24E-02	7.06E-02	0	4.45E-02	7.3E+00	0	-1.82E+00
GWP-biogenic	kg CO_2 eq	-7.14E-01	2.13E-04	3.98E-01	3.7E-03	0	1.07E-04	3.43E-01	0	-7.91E-03
GWP-luluc	kg CO_2 eq	1.61E-02	1.5E-03	6.2E-06	9.43E-06	0	7.5E-04	2.66E-03	0	-1.66E-04
ODP	kg CFC11 eq	5.74E-11	1.32E-14	5.42E-14	5.7E-13	0	6.58E-15	9.68E-12	0	-1.63E-11
AP	mol H^+ eq	6.62E-02	1.37E-04	8.43E-05	1.09E-04	0	6.86E-05	2.97E-03	0	-1.92E-03
EP-freshwater	kg P eq	3.59E-05	3.81E-07	1.43E-08	4.5E-06	0	1.91E-07	3.67E-06	0	-3.05E-06
EP-marine	kg N eq	1.66E-02	5.04E-05	2.74E-05	4.75E-05	0	2.52E-05	1.07E-03	0	-5.83E-04
EP-terrestrial	mol N eq	1.84E-01	5.95E-04	3.7E-04	3.38E-04	0	2.98E-04	1.27E-02	0	-6.26E-03
POCP	kg NMVOC eq	5E-02	1.34E-04	7.42E-05	1.32E-04	0	6.68E-05	2.95E-03	0	-1.65E-03
ADPE	kg Sb eq	1.79E-05	7.78E-09	5.73E-10	1.32E-08	0	3.89E-09	1.05E-07	0	-1.59E-07
ADPF	MJ	2.41E+02	1.18E+00	1.19E-01	1.56E+00	0	5.88E-01	1.9E+01	0	-3.24E+01
WDP	m^3 world eq deprived	1.75E+00	1.38E-03	4.83E-02	1.49E-02	0	6.91E-04	1.35E+00	0	-2E-01

GWP = Global warming potential; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential of land and water; EP = Eutrophication potential; POCP = Formation potential of tropospheric ozone photochemical oxidants; ADPE = Abiotic depletion potential for non-fossil resources; ADPF = Abiotic depletion potential for fossil resources; WDP = Water (user) deprivation potential)

RESULTS OF THE LCA - INDICATORS TO DESCRIBE RESOURCE USE according to EN 15804+A2: 1 m² Vinyl-SPC- floor covering

Parameter	Unit	A1-A3	A4	A5	B2	C1	C2	C3	C4	D
PERE	MJ	3.34E+01	1.01E-01	4.59E+00	3.84E-01	0	5.07E-02	5.74E+00	0	-1.09E+01
PERM	MJ	4.55E+00	0	-4.55E+00	0	0	0	0	0	0
PERT	MJ	3.79E+01	1.01E-01	3.31E-02	3.84E-01	0	5.07E-02	5.74E+00	0	-1.09E+01
PENRE	MJ	1.87E+02	1.18E+00	5.74E-01	1.56E+00	0	5.88E-01	7.23E+01	0	-3.24E+01
PENRM	MJ	5.38E+01	0	-4.55E-01	0	0	0	-5.34E+01	0	0
PENRT	MJ	2.41E+02	1.18E+00	1.19E-01	1.56E+00	0	5.88E-01	1.9E+01	0	-3.24E+01
SM	kg	9.64E-01	0	0	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0	0	0	0
FW	m^3	5.93E-02	1.13E-04	1.14E-03	5.18E-04	0	5.64E-05	3.38E-02	0	-8.4E-03

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

RESULTS OF THE LCA – WASTE CATEGORIES AND OUTPUT FLOWS according to EN 15804+A2: 1 m² Vinyl-SPC- floor covering

Parameter	Unit	A1-A3	A4	A5	B2	C1	C2	C3	C4	D
HWD	kg	2.82E-06	4.5E-11	6.92E-11	8.72E-10	0	2.25E-11	1.19E-08	0	-2.21E-08
NHWD	kg	4.77E-01	1.92E-04	1.24E-02	7.39E-03	0	9.6E-05	5.18E+00	0	-1.7E-02
RWD	kg	6.24E-03	2.14E-06	5.98E-06	8.94E-05	0	1.07E-06	9.01E-04	0	-2.42E-03
CRU	kg	0	0	0	0	0	0	0	0	0

MFR	kg	0	0	0	0	0	0	0	0	0
MER	kg	0	0	0	0	0	0	0	0	0
EEE	MJ	1E+00	0	6.25E-01	0	0	0	7.03E+00	0	0
EET	MJ	1.82E+00	0	1.13E+00	0	0	0	1.27E+01	0	0

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy

RESULTS OF THE LCA – additional impact categories according to EN 15804+A2-optional:
1 m² Vinyl-SPC- floor covering

Parameter	Unit	A1-A3	A4	A5	B2	C1	C2	C3	C4	D
PM	Disease incidence	9.7E-07	1.31E-09	5.44E-10	9.21E-10	0	6.57E-10	5.96E-08	0	-1.57E-08
IR	kBq U235 eq	5.67E-01	3.11E-04	9.35E-04	1.37E-02	0	1.55E-04	1.35E-01	0	-3.98E-01
ETP-fw	CTUe	1.31E+02	8.73E-01	5.54E-02	6.1E-01	0	4.37E-01	1.06E+01	0	-4.62E+00
HTP-c	CTUh	4.37E-09	1.76E-11	4.29E-12	3.54E-11	0	8.82E-12	3.73E-10	0	-3.73E-10
HTP-nc	CTUh	1.83E-07	7.91E-10	2.06E-10	2.31E-09	0	3.96E-10	2.31E-08	0	-8.72E-09
SQP	SQP	1.34E+02	5.79E-01	3.66E-02	2.21E-01	0	2.89E-01	5.1E+00	0	-6.39E+00

PM = Potential incidence of disease due to PM emissions; IR = Potential Human exposure efficiency relative to U235; ETP-fw = Potential comparative Toxic Unit for ecosystems; HTP-c = Potential comparative Toxic Unit for humans (cancerogenic); HTP-nc = Potential comparative Toxic Unit for humans (not cancerogenic); SQP = Potential soil quality index

Disclaimer 1 – for the indicator “Potential Human exposure efficiency relative to U235”. This impact category deals mainly with the eventual impact of low-dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure or radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, radon and from some construction materials is also not measured by this indicator.

Disclaimer 2 – for the indicators “abiotic depletion potential for non-fossil resources”, “abiotic depletion potential for fossil resources”, “water (user) deprivation potential, deprivation-weighted water consumption”, “potential comparative toxic unit for ecosystems”, “potential comparative toxic unit for humans – cancerogenic”, “Potential comparative toxic unit for humans - not cancerogenic”, “potential soil quality index”. The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high as there is limited experience with the indicator.

References

Standards

EN ISO 10874
EN ISO 10874:2012 + A1:2020, Resilient, textile and laminate floor coverings - Classification.

EN 13501
EN 13501-1:2019-01-14;Fire classification of construction products and building elements.

EN 14041
EN 14041:2004+AC:2005+AC:2006, Resilient, textile and laminate floor coverings – Essential characteristics.

EN 15804
EN 15804:2012+A2:2019+AC:2021, Sustainability of construction works — Environmental Product Declarations — Core rules for the product category of construction products.

EN 16511
EN 16511:2023; Modular mechanical locked floor coverings (MMF) – Specification, requirements and test method for multilayer modular panels for floating installation.

EN ISO 10582
EN ISO 10582:2017, Resilient floor coverings - Heterogeneous poly (vinyl chloride) floor covering - Specifications.

ISO 14025
EN ISO 14025:2011, Environmental labels and declarations — Type III environmental declarations — Principles and procedures.

Further References

BNB
BBSR table (german): 'Nutzungsdauern von Bauteilen zur Lebenszyklusanalyse nach BNB', Bundesinstitut für Bau-, Stadt- und Raumforschung, Referat II Nachhaltiges Bauen; online available under: https://www.nachhaltigesbauen.de/austausch/nutzungsdauern-von-bauteilen/, 2017.

EWC
European Waste Catalogue (EWC), COMMISSION DECISION of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council, 2014.

IBU 2021
Institut Bauen und Umwelt e.V.: General Instructions for the EPD programme of Institut Bauen und Umwelt e.V., Version 2.0, Berlin: Institut Bauen und Umwelt e.V., https://ibu-epd.com/, 2021.

IBU PCR Part A
PCR - Part A: Calculation Rules for the Life Cycle Assessment and Requirements on the Project Report according to EN 15804+A2:2019, version 1.4, Institut Bauen und Umwelt e.V., https://ibu-epd.com/, 2024.

IBU PCR Part B
PCR – Part B: Requirements of the EPD for Floor Coverings, (PCR version v8; 20.06.2023), Institut Bauen und Umwelt e.V., https://ibu-epd.com/, 2023.

LCA FE software and MLC databases
LCA FE and MLC databases (formerly GaBi) by Sphera. Version CUP 2024.1. Sphera Solutions GmbH, https://lcadatabase.sphera.com/, 2024.

SVHC
Candidate List of substances of very high concern for Authorisation (SVHC), European Chemicals Agency (ECHA),

2023.

Publisher

Institut Bauen und Umwelt e.V.
Hegelplatz 1
10117 Berlin
Germany

+49 (0)30 3087748- 0
info@ibu-epd.com
www.ibu-epd.com

Programme holder

Institut Bauen und Umwelt e.V.
Hegelplatz 1
10117 Berlin
Germany

+49 (0)30 3087748- 0
info@ibu-epd.com
www.ibu-epd.com

Author of the Life Cycle Assessment

Sphera Solutions GmbH
Hauptstraße 111- 113
70771 Leinfelden-Echterdingen
Germany

+49 711 341817-0
info@sphera.com
www.sphera.com

Owner of the Declaration

MMFA - Multilayer Modular Flooring Association
Mittelstrasse 50
33602 Bielefeld
Germany

+32 2 788 3169
info@mmfa.eu
www.mmfa.eu

Zertifikat

Indoor Air Comfort Gold

The Floor

Zertifiziertes Produkt

FALQUON GmbH

Hünengrab 18, 16928 Pritzwalk, Deutschland

Hersteller

Das oben genannte Produkt entspricht den Indoor Air Comfort Gold Spezifikationen, Version 9.0 (2023). Dazu gehören sowohl eine Inspektion im Herstellwerk, als auch die VOC-Emissionsprüfung nach EN 16516 in regelmäßigen Abständen. Indoor Air Comfort Gold vereint alle wichtigen europäischen und ausgewählte globale Anforderungen an VOC-Produktemissionen. Zusätzliche Anforderungen, die sich nicht auf VOC-Produktemissionen beziehen, z. B. Gehalt an bestimmten Stoffen oder Geruch, werden nicht kombiniert oder bewertet. Die folgenden VOC-Emissionsanforderungen werden kombiniert und das zertifizierte Produkt zeigt die Einhaltung dieser VOC-emissionsbezogenen Grenzwerte:

- Belgische Verordnung
- Französische VOC Klasse A+
- Deutschland (AgBB/ABG)
- Italienisches CAM Edilizia
- EU Taxonomy Verordnung
- LEED (ACP)
- BREEAM New Construction
- WELL Building
- DGNB
- SKA Rating
- Französische HQE Zertifizierung
- Blauer Engel DE-UZ 120
- Österreichisches Umweltzeichen UZ 42
- Baubook (Österreich)
- M1
- Danish Indoor Climate Label (Emissionsklasse 1)
- BVB (Schweden)
- Miljöbyggnad (Schweden)
- Eco Product Norway
- SINTEF (Norwegen)
- Cradle to Cradle
- sehr niedrig emittierende Produkte nach EN 16798-1
- Singapore Green Label
- Global GreenTag
- Declare 2.0

Ausstelldatum: 30.09.2024

Ablaufdatum: 30.09.2029

Produktart: Elastischer Bodenbelag

Zertifikatsnummer: IACG-490-01-01-2024

Dieses Zertifikat ist wie angegeben gültig, wenn regelmäßige Überwachung und Tests durchgeführt werden.

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

Anhang zum Zertifikat IACG-490-01-01-2024

FALQUON GmbH

erhält das Indoor Air Comfort Gold Zertifikat, gültig bis zum 30.09.2029

für unten stehende Produktgruppe inklusive Untergruppen und Einzelprodukte:

Produktgruppe: The Floor

Produktart: Elastischer Bodenbelag

Einzelprodukte:

THE FLOOR Wood
THE FLOOR Stone
THE FLOOR light
THE FLOOR dryback

Die Produkte in dieser Gruppe basieren auf identischer oder ähnlicher Rezeptur und werden unter entsprechenden Bedingungen produziert. Gruppierung der Produkte und eine Inspektion des Produktionsprozesses sind Teil der Indoor Air Comfort Gold Zertifizierung. Ein Worst-case Produkt, welches für die gesamte Gruppe repräsentativ ist, wird regelmäßig geprüft.

Eurofins Product Testing A/S
Smedeskovvej 38, Gate 9
8464 Galten
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FALQUON
floors for friends

FALQUON GmbH · Gewerbegebiet Falkenhagen
Am Hünengrab 18 · D-16928 Pritzwalk

Rev. 1.0

Herstellererklärung REACH-Konformität gemäß Verordnung 1907/2006

Hiermit erklärt die Falquon GmbH unter Bezugnahme auf den Prüfbericht PB2341986 der Dekra Automobil GmbH, dass die Artikelgruppe „The Floor" folgende Chemikalien-Grenzwerte nicht überschreitet:

- reproduktionstoxische Phthalate: < 0,1 %
- Chlorparaffine (SCCPs + MCCPs + LCCPs): < 0,1 %
- SVHC: < 0,1 %
- CMR Stoffe Kategorie 1A / 1B: < 0,1%

sowie:

- keine Zinn-, Cadmium- und Bleistabilisatoren

enthalten. Die Schwellenwerte gemäß Verordnung 1907/2006 Artikel 33 werden für die zuvor genannten Verbindungen nicht überschritten.

FALQUON
FALQUON GmbH
Am Hünengrab 18 | 16928 Pritzwalk
Gewerbegebiet Falkenhagen
Tel.: +49 33986 5021-10

Falkenhagen, 08.04.2025

Ort, Datum

Unterschrift und Firmenstempel