SENTINEL HOLDING
INSTITUT

SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

15115-10-1003

RenoDeco

Product group: Design floors - Tiles / tile accessories - Floor coverings / Wall coverings

HSK
DIE BADEXPERTEN

HSK Duschkabinenbau KG
Zum Hohlen Morgen 22
59939 Olsberg

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, 27 May 2026

SENTINEL HOLDING
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Product:
RenoDeco

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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	Other products	TVOC ≤ 300 µg/m^3 Formaldehyd ≤ 24 µg/m^3	Indoor Air Quality Certified
Valid untill: 12 July 2028			

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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			QNG ready - Not relevant for assessment

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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)	not applicable		Not relevant for assessment

Criteria	Assessment
ENV1.1 Climate action and energy (*)	May positively contribute to the overall building score
Verification: - Infoblatt Nachhaltigkeit - Schaubild Recycling-von-Aluminium-Verbundplatten	

Criteria	Assessment
ECO1.1 Life cycle cost (*)	May positively contribute to the overall building score
Verification: - RenoDeco Produktinfo Flyer - Video "Perfekte Hygiene"	

Criteria	Assessment
SOC1.3 Sound insulation and acoustic comfort (*)	May positively contribute to the overall building score
Verification: - RenoDeco Technisches Produktdatenblatt	

Criteria	Assessment
SOC2.1 Barrier-free design (*)	May positively contribute to the overall building score
Verification: - RenoDeco_Katalog_DE_X10177_03-2024_Auszug_Barrierefrei-mit-RenoDeco	

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 29.05.2025 (4th edition)	not applicable		Not relevant for assessment

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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	not applicable	not applicable	Not relevant for assessment

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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			Not relevant for assessment

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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		Substances according to Annex C	EU taxonomy compliant
Verification: für keine Stoffe mit Einstufung CMR 1A / 1B und SVHC ≤ 0,1% durch Herstellererklärung vom 19.09.2025			

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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	Ceiling, wall, and acoustic and thermal insulation materials	Emissions: Formaldehyde, TVOC, TSVOC, carcinogens	Exemplary quality
Verification: durch Emissionsprüfbericht ECO-Institut vom 12. Juli 2024, Nr. 59202-A001-L II.			

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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	Dämmstoffe	Emissionen: Formaldehyd, VOC, Krebserregende Stoffe	compliant
Verification: durch Emissionsprüfbericht ECO-Institut vom 12. Juli 2024, Nr. 59202-A001-L II.			

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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.

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

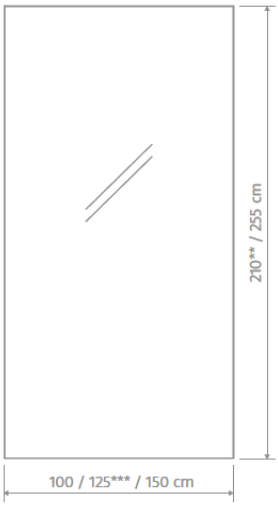
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SGS TÜV SAAR

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RENODECO DEKORPLATTE



PRODUKTBESCHREIBUNG:

Dekorative Aluminium-Verbundplatte mit 2 x Deckschichten 0,3 mm und einem Kern aus Polyethylen TYP LDPE.

Zur Verkleidung von Wandflächen in Innenbereichen (für Trocken- und Nassbereiche geeignet).

Allgemeine Merkmale	Daten / Fakten
Oberflächen	Perl / Stein / Holz / Hochglanz / Seidenmatt
Standardformate	1000 x 2100 mm (** für eine bestimmte Dekorauswahl) 1000 x 2550 mm 1250 x 2550 mm (*** für eine bestimmte Dekorauswahl) 1500 x 2550 mm
Bearbeitung	Handelsübliche Kreis- und Stichsägen, Metallbohrer, Lochkreisschneider, Oberfräsen
Besonderheiten	Lotuseffekt
Lieferform	Stückweise, Palettenmenge auf Anfrage
Nachhaltigkeit	QNG-Ready Siegel des Sentinel Holding Institut, SHI-Produktpass-Nr. 15115-10-1000

TECHNISCHE DATEN:

Mechanische Eigenschaften	Daten / Fakten
Plattendicke	3 mm
Deckblechstärke	0,2-0,3 mm
Linearer Ausdehnungskoeffizient	2,4 mm/m/100°C
Gewicht	3,80 kg/m²
Breitentoleranz	±4 mm
Längentoleranz	±4 mm
Dickentoleranz	±0,2 mm
Polyethylen-Kern, Typ LDPE	0,92 g/cm²

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Stand: 04/2025

RENODECO | Produktdatenblatt

Bauphysikalische Eigenschaften	Normen/Richtlinien	Daten / Fakten
Chemische Beständigkeit	nach DIN 68861 Teil 1 (Gruppe 1A bis 1D)	Beanspruchungsgruppe 1B
Abriebbeständigkeit	nach DIN 68861 Teil 2 (Gruppe 2A bis 2F)	Beanspruchungsgruppe 2A (>650 Umdrehungen)
Kratzbeständigkeit	nach DIN 68861 Teil 4 (Gruppe 4A bis 4F)	Beanspruchungsgruppe 4B (3,5N)
Hitzebeständigkeit trockene Hitze	nach DIN 68861 Teil 7 (Gruppe 7A bis 7E)	Beanspruchungsgruppe 7A (180 °C)
Hitzebeständigkeit feuchte Hitze	nach DIN 68861 Teil 8 (Gruppe 8A bis 8C)	Beanspruchungsgruppe 8A (100 °C)
Brandklassifizierung	nach DIN 4102-1	Klasse B2
Wärmedurchgangskoeffizient U		5,61
Temperaturbeständigkeit		-50 bis +80 °C
Lichtbeständigkeit	nach DIN EN 15187 bei Wollblau-Skala Stufe 6	Graumaßstab Stufe 5
Feuchtebeständigkeit	nach RAL-GZ 430/2 Punkt 10.10	Keine sichtbare Veränderung
Emissionen flüchtiger organischer Verbindungen (VOC)	nach französischen Regelungen für VOC-Emissionen	Klassifizierung A
Bewertetes Schalldämmmaß Rw		24
Qualitätssicherung		Fremd- und Eigenüberwachung

HSK
DIE BADEXPERTEN

HSK GOES GREEN

Der Umwelt zuliebe



Wie trägt RenoDeco zur Nachhaltigkeit bei?

Mit RenoDeco Wandverkleidungen hat HSK ein Produktsortiment entwickelt, das zur Verbesserung der Umweltfreundlichkeit beiträgt. Durch die Recyclingfähigkeit sowie Langlebigkeit der Materialien sorgt RenoDeco für eine hohe Nachhaltigkeit. Dank der umweltbewussten Verpackung werden schädliche Auswirkungen auf die Umwelt verringert.

Das umweltfreundliche Material

- Das RenoDeco Wandverkleidungssystem ist robust, pflegeleicht und langlebig, sodass es nachhaltiges Bauen und Sanieren unterstützt.
- RenoDeco besteht zu 98 % aus recycelten Materialien.
- Nach Verwendung, d. h. am Ende des Produktlebenszyklus, kann RenoDeco ebenfalls wieder zu 96 % recycelt werden.



- Alle verwendeten Lackierungen sind REACH- sowie RoHS-konform und es werden keine Schwermetalle für ihre Pigmentierung verwendet.
- Um Wasserverschwendung zu vermeiden, wird das beim Lackierprozess verwendete Wasser zu 100 % aufbereitet und wiederverwendet.

Wir verpacken nachhaltig

- Styroporfreie Verpackung mit Kantenschutz aus Pappe.
- Verwendung von Klebebändern aus Papier.
- Eckschutzkappen aus 100 % Kunststoffrezyklat und Profilverpackungen bis zu 85 % recycelter PCR-Folie.
- Reduzierung von Verpackungsmaterial und Vermeidung unnötiger Transportwege durch Bündelung verschiedener Positionen innerhalb einer Bestellung.

HSK arbeitet kontinuierlich an der Optimierung der Fertigungsprozesse für eine verbesserte CO_2-Bilanz.

www.hsk-duschkabinenbau.de

HSK
DIE BADEXPERTEN

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Telefon: 02962/97903 -465
Datum: 19.09.2025

An
Sentinel Holding Institut GmbH
Bötzinger Straße 38
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Herstellererklärung zu SVHC- und CMR-Substanzen

Sehr geehrte Damen und Herren,

entsprechend unserem heutigen Kenntnisstand und den Informationen, die wir von unseren Lieferanten erhalten haben, können wir bestätigen, dass unsere Wandverkleidung „RenoDeco“ keine Substanzen der SVHC-Kandidatenliste (Stand 16.09.2025) in größeren Konzentrationen als 0,1% und keine CMR-Substanzen der Kategorien 1A und 1B in ausweispflichtigen Mengen enthält.

Mit freundlichen Grüßen

HSK Duschkabinenbau KG
Alexander Scharf
Compliance / Regulatory Affairs