



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

1084-10-1000

First

Product group: Vinyl

amtico
flooring

Amtico International GmbH
Hammer Straße 17
40219 Düsseldorf



Product qualities:



Köttner

Helmut Köttner
Scientific Director
Freiburg, 07 July 2026



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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 $\leq 160 \mu\text{g}/\text{m}^3$ Formaldehyd $\leq 10 \mu\text{g}/\text{m}^3$	Indoor Air Quality Certified
Valid untill: 13 November 2030			



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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: Eurofins IAC Gold Zertifikat vom 28.11.2025 (Nr. IACG-352-01-05-2025Rev). Herstellererklärung vom 02.07.2026.			



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DGNB New Construction 2023.2

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact	7 Elastische Bodenbeläge (innen)		Quality level 3

Verification: Eurofins IAC Gold Zertifikat vom 28.11.2025 (Nr. IACG-352-01-05-2025Rev).
Herstellereklärung vom 02.07.2026.



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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)	7 Floor coverings (Resilient floor coverings)	VVOCs, VOC, SVOC emissions and content of hazardous substances	Quality level 3

Verification: Eurofins IAC Gold Zertifikat vom 28.11.2025 (Nr. IACG-352-01-05-2025Rev).
Herstellererklärung vom 02.07.2026.

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: Eurofins IAC Gold Zertifikat vom 28.11.2025 (Nr. IACG-352-01-05-2025Rev).
Herstellererklärung vom 02.07.2026.

Criteria	Assessment
ENV1.1 Climate action and energy (*)	May positively contribute to the overall building score



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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: Eurofins IAC Gold Zertifikat vom 28.11.2025 (Nr. IACG-352-01-05-2025Rev).
Herstellereklärung vom 02.07.2026.



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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: Eurofins IAC Gold Zertifikat vom 28.11.2025 (Nr. IACG-352-01-05-2025Rev).
Herstellererklärung vom 02.07.2026.



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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	compliant

Verification: Eurofins IAC Gold Zertifikat vom 28.11.2025 (Nr. IACG-352-01-05-2025Rev).
Herstellererklärung vom 02.07.2026.



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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

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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.



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.

Find our criteria here: <https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfverfahren/kriterien%20f%C3%BCr%20Produkte>

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Amtico First

Technische Daten

FIR-TS-20250301-15-DE

Bezeichnung	Prüfnorm	Symbol	Ergebnis
CE / DOP	EN 14041		CPR/AI/004
Klassifizierung	EN ISO 10874		23, 31
Herstellungsnorm	EN ISO 10582		Bestanden
Gesamtdicke	EN ISO 24346		2,0 mm
Nutzschichtdicke	EN ISO 24340		0,3 mm
Gewicht	EN ISO 23997		2700-3600 g/m²
Dimensionsstabilität	EN ISO 23999		≤ 0,25%
Dimensionsstabilität / Curling	EN ISO 23999		≤ 2 mm
Resteindruck	EN ISO 24343-1		≤ 0,1 mm
Verschleißfestigkeit	EN ISO 10582		Typ 1
Lichtechtheit	EN ISO 105-B02		≥ 6
Chemikalienbeständigkeit	EN ISO 26987		Sehr gut
Stuhlrollenbeanspruchung (Typ W)	EN ISO 4918		Bestanden
Brandverhalten	EN 13501-1		B _{fl} -s1
Elektrostatisches Verhalten	EN 1815		≤2kV
Wärmedurchlasswiderstand	EN ISO 12667		0,007-0,013 m² K/W (geeignet für Fußbodenheizung)
Emissionsverhalten	IAC Gold		Zertifikat-Nummer IACG-352-02-05-2025
Emissionsverhalten	M1		Zertifiziert
Emissions COV	Französische VOC-Verordnung	 Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).	A+
Rutschhemmstufe	EN 13893		Klasse DS
Rutschhemmstufe	EN 16165 Annettieren B EN 16165 Annettieren C		R10 PTV >36 (Nass)
Oberflächenschutz			Quantum Guard (Polyurethan)
Frei von Orthophthalaten			Ja - Amtico First wird mit orthophthalatfreien und biologischen Weichmachern hergestellt.
Antimikrobielle Wirkung (antibakteriell)	ISO 22196:2011	Amtico First wird mit einem antimikrobiellen Additiv von Addmaster® hergestellt - Getestet gegen MRSA und E.Coli	≥ 99,9% Verringerung nach 24 Std. (verglichen mit einer unbehandelten Kontrolle)
Antimikrobielle Wirkung (antiviral)	ISO 21702:2019	Amtico First wird mit einem antimikrobiellen Additiv von Addmaster® hergestellt - Getestet gegen SARS-CoV-2 (Das Virus, das Covid-19 verursacht)	≥ 85,5% Verringerung nach 24 Stunden (verglichen mit einer unbehandelten Kontrolle) ≥ 99,9% Verringerung nach 24 Stunden. (gegenüber der Erstinokulation)

AMTICO STATEMENT ON PRODUCT COMPOSITION

Amtico Signature, Spacia, Form, First and Marine luxury vinyl floor tiles are manufactured using ortho-phthalate free and bio-based plasticisers.

Amtico International does not use stabilizers or any other components based on lead, tin, mercury, or cadmium within the construction of its flooring products. In consequence, Amtico flooring contains only trace concentrations of lead, tin, mercury and cadmium i.e., <0.01%wt/wt.

Amtico International does not use any chlorinated paraffins, such as short chain chlorinate paraffins (SCCP), medium-chain chlorinate paraffins or long-chain chlorinate paraffins, per- and polyfluoroalkyl substances (PFAS), halogenated flame retardants (HFR), ortho-phthalates, polychlorinated biphenyls, formaldehyde, asbestos, silicone compounds or any compounds currently present on the ECHA SVHC candidate list, in any of its flooring products. Any such compounds would only be present at trace concentrations i.e., <0.01%wt/wt.

Furthermore, there are no Carcinogenic, Germ Cell Mutagenic or Reproductive toxic substances (CMR Substances) as defined by (EC) No. 1272/2008 on Classification, Labelling and Packaging of substances and mixtures, present in the above products at concentrations above 0.1%wt/wt.



Gary Wilson

Head of Technical

2nd July 2026

Kingfield Road



Certificate

Indoor Air Comfort Gold

First, First Acoustic

Certified Product

Amtico International

Kingfield Road, Coventry CV6 5AA, United Kingdom

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 120 | - Eco Product Norway |
| - France VOC class A+ | - BREEAM New Construction | - Austrian Ecolabel UZ 42 | - SINTEF (Norway) |
| - Germany (AgBB/ABG) | - WELL Building | - Austrian Baubook | - Cradle to Cradle |
| - Italian CAM Edilizia | - DGNB | - M1 | - very low emitting products |
| - EU Taxonomy Regulation | - SKA Rating | - Danish Indoor Climate Label | - according to EN 16798-1 |
| | - French HQE certification | (Emission Class 1) | - Singapore Green Label |
| | | - BVB (Sweden) | - Global GreenTag |
| | | - Miljöbyggnad (Sweden) | - Declare 2.0 |

Issue date: 28 November 2025

Product type: Resilient Floorings

Validity date: 13 November 2030

Certificate number: IACG-352-01-05-2025Rev

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-352-01-05-2025Rev

Amtico International

receives the Indoor Air Comfort Gold certificate with validity 13 November 2030

for below product group, including subgroups and individual products as listed:

Product group: First, First Acoustic

Product type: Resilient Floorings

Products included:

First (D)
First (IRE)
First A
First Acoustic (D)
First Acoustic A

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.