



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

15075-10-1035

AirTex Safety ND DSK

Product group: Unterspannbahnen - Unterdeckbahnen - Roofing



MAGE Roof & Building Components GmbH
An den Steinenden 7
04916 Herzberg/Elster



Product qualities:



Köttner

Helmut Köttner
Scientific Director
Freiburg, 01 December 2025



Contents

■ QNG - Qualitätssiegel Nachhaltiges Gebäude	1
■ DGNB New Construction 2023	2
■ DGNB New Construction 2018	3
■ BNB-BN Neubau V2015	4
■ EU taxonomy	5
■ BREEAM DE Neubau 2018	6
Product labels	7
Legal notices	8
Technical data sheet/attachments	9

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:

AirTex Safety ND DSK

SHI Product Passport no.:

15075-10-1035



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	not applicable	not applicable	QNG ready - Not relevant for assessment



Product:

AirTex Safety ND DSK

SHI Product Passport no.:

15075-10-1035



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	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



Product:

AirTex Safety ND DSK

SHI Product Passport no.:

15075-10-1035



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



Product:

AirTex Safety ND DSK

SHI Product Passport no.:

15075-10-1035



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



Product:

AirTex Safety ND DSK

SHI Product Passport no.:

15075-10-1035



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: Herstellererklärung vom 20.05.2025			



Product:

AirTex Safety ND DSK

SHI Product Passport no.:

15075-10-1035



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			Not relevant for assessment



Product:

AirTex Safety ND DSK

SHI Product Passport no.:

15075-10-1035



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.



Product:

AirTex Safety ND DSK

SHI Product Passport no.:

15075-10-1035



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

AirTex® Safety ND DSK und Zubehör

Diffusionsoffene Unterdeck-/Unterspannbahn
mit doppeltem Selbstklebestreifen



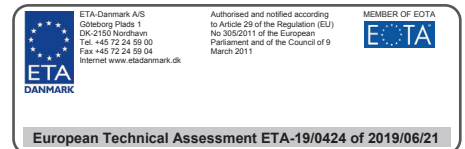
Vorteile und Nutzen

- Mit integrierter Nageldichtung*
- Zugfestigkeit (EN 12311-1 + EN 13859-1)
Erfüllt die Anforderungen der DIN 4426, Punkt 5.2 „Einrichtungen zum Schutz gegen Absturz auf Dächern“, durchsturzsicher, Tabelle 2 – Zugfestigkeit bei Unterspannbahnen nach DIN EN 13859-1, 5.2.6, u. a. ≥ 450 N/5 cm
- Geprüfte Perforationssicherheit durch Fraunhofer-Institut
- Für alle vollgedämmten, ungeschalten und geschalten Steildächer geeignet
- Bei Verlegung auf Schalung zusätzliche Befestigungszone im Höhenüberdeckungsbereich der Bahn nutzbar
- CE-zertifiziert



Verarbeitung

- Das gelieferte Produkt ist gemäß den Fachregeln des Zentralverbands des Deutschen Dachdeckerhandwerks sowie den geltenden Normen und Richtlinien zu verlegen
- Insbesondere zu beachten sind das Merkblatt für Wärmeschutz bei Dächern der Fachregel des Deutschen Dachdeckerhandwerks, das Gebäudeenergiegesetz in der gültigen Fassung und die DIN 4108-3
- Bei Bedarf: abgestimmte Systemkomponenten AirTex® PP, AirTex® UV extra, AirTex® Nageldichtband, AirTex® DM, AirTex® MAGE-MB Multiband, MAGE AirTack WCS-K, MAGE AirTack WCS-S
- Der Untergrund muss tragfähig, trocken, staub-, frost- und fettfrei sein



Lagerung

- Kühl und trocken lagern

Zubehör



MAGE Roof & Building Components GmbH

An den Steinenden 7 • 04916 Herzberg (Elster) • Tel.: +49 3535 4007-0 • Fax: +49 3535 4007-32
info@mage-roof.com • www.mage-roof.com

REACH-Verordnung (EG) Nr. 1907/2006 inklusive ihrer Änderungen

Die EG-Verordnung Nr. 1907/2006 befasst sich mit der Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe, kurz auch als „REACH“-Verordnung bezeichnet.

Ziel dieser Verordnung ist es sicherzustellen, dass Herstellung, Import und Verwendung chemischer Stoffe, die menschliche Gesundheit oder die Umwelt nicht nachteilig beeinflussen. Daher unterliegen chemische Stoffe seit dem 01. Juni 2007 einer Registrierungspflicht.

Dies gilt für Stoffe als solche, in Zubereitungen oder auch in Erzeugnissen.

Die durch uns gefertigten Produkte unterliegen selbst keiner Registrierungspflicht, wir müssen aber darauf achten, dass nur Stoffe in unsere Produktion einfließen, die von unseren Lieferanten vorregistriert, bzw. registriert sind. Entsprechende Bestätigungen liegen uns hierzu vor. In unseren Produkten sind keine Substanzen der SVHC Liste enthalten.

Die ROHS-RL 2011/65/EU sowie die Erweiterung in der ROHS-Richtlinie 2015/863 befasst sich mit der Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten und findet auf unsere Produkte keine Anwendung.

Wir bestätigen Ihnen jedoch, dass die in der ROHS tolerierten Konzentrationshöchstwerte von jeweils 0,1 Gewichtsprozent Blei(PB), Quecksilber(HG), sechswertigem Chrom, polybromierten Biphenylen (PBB), polybromierten Diphenyl-ethern (PBDE), Deca-BDE, Bis (2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) und Diisobutyl phthalate (DIBP) sowie 0,01 Gewichtsprozent Cadmium in unseren Produkten nicht überschritten werden.

Dieses Dokument wurde elektronisch erstellt und ist ohne Unterschrift gültig.

Mit freundlichen Grüßen

MAGE Roof & Building Components GmbH

Qualitätssicherung



ETA-Danmark A/S
Göteborg Plads 1
DK-2150 Nordhavn
Tel. +45 72 24 59 00
Fax +45 72 24 59 04
Internet www.etadanmark.dk

Authorised and notified according
to Article 29 of the Regulation (EU)
No 305/2011 of the European
Parliament and of the Council of 9
March 2011

MEMBER OF EOTA



European Technical Assessment ETA-19/0424 of 2019/06/21

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:

AIRTEX® SAFETY ND DSK

Product family to which the above construction product belongs:

Membrane for use as roof underlay

Manufacturer:

MAGE Roof & Building Components GmbH,
An den Steinenden 7
D-04916 Herzberg/Elster
Telephone: +49 03535/4007-0
Internet: www.mage-roof.com

Manufacturing plant:

MAGE Roof & Building Components GmbH,
Manufacturing plant II

This European Technical Assessment contains:

7 pages

This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:

EAD 030218-00-0402 - Membrane for use as roof underlay

This version replaces:

-

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.

Communication of this European Technical Assessment, including transmission by electronic means, shall be in full (excepted the confidential Annex(es) referred to above). However, partial reproduction may be made, with the written consent of the issuing Technical Assessment Body. Any partial reproduction has to be identified as such.

II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of product and intended use

Technical description of the product

General

The membranes consist of multilayer flexible sheets. They are diffusion open membranes with perforation resistance, resistance to water pressure and tightness of perforations from nails and screws.

The membranes consist of a polyester and a polyurethane coating.

Designation	AIRTEX® SAFETY ND DSK
Characteristics	
Composition	Unwoven polyester / Polyurethane coating
Total weight	270 g/m ² , tolerances -20/+40
Minimum slope	≥ 10°
Assembly method in overlaps	Gluing

The roofing membrane is fastened to the timber joists with non-corrosive flat headed nails or staples. The overlaps are sealed by integrated tape, where the lines are removed and manual pressure is added to the overlaps for fixing.

In the case of non-full-surface, the nail and screw holes are waterproofed with nail sealing tape AirTex Nageldichtband.

2 Specification of the intended use in accordance with the applicable EAD

The membranes are intended for use as underlays, which are to be used under roof covering of roofs with roof pitch from 10° to 90°.

The membranes are intended to be used and exposed to weathering (UV) for a defined extended period, up to 3 months.

The provisions made in this European Technical Assessment are based on an assumed intended working life of the roof underlay of 10 years.

The indications given on the working life cannot be interpreted as a guarantee given by the producer or Assessment Body, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3 Performance of the product and references to the methods used for its assessment

Characteristic

Assessment of characteristic

3.2 Safety in case of fire (BWR2)

Reaction to fire

The membrane obtains a reaction to fire **class E- d2** in accordance with EN 13501-1

3.3 Hygiene, health and the environment (BWR3)

Resistance to water penetration

W1 according to EN 13859-1 and EN 1928 method A

Water vapour transmission

S_d = 0,15 m ± 0,05 according to EN 12572

Tensile properties
EN 13859-1, Annex A

Designation	AIRTEX® SAFETY ND DSK
Characteristics	
Tensile properties Longitudinal, initial	Mean value: F _{max} = 532 N/50mm Elongation: 56%
Longitudinal, aged	Mean value: F _{max} > 491 N/50mm Elongation: 63 %
Transverse, initial	Mean value: F _{max} = 424 N/50mm Elongation: 94%
Transverse, aged	F _{max} > 454 N/50mm Elongation: 95 %

Resistance to tearing

Designation	AIRTEX® SAFETY ND DSK
Characteristics	
Resistance to tearing Longitudinal, initial	Mean value: F _{max} = 360 N/200 mm
Longitudinal, aged	NPA
Transverse, initial	Mean value: F _{max} = 365 N/200 mm
Transverse, aged	NPA

Resistance to perforation

No Performance Assessed

Characteristic	Assessment of characteristic										
Dimensional stability EN 1107-2	< 1 % both longitudinal and transverse										
Flexibility at low temperature	T _B ≤ -30 °C										
Resistance to artificial ageing: UV resistance 5000h Exposure to heat	<table><tr><th>Tensile properties</th><th>AIRTEX® SAFETY ND DSK</th></tr><tr><td>Longitudinal, initial</td><td>Mean value: F_{max} = 532 N/50mm Elongation: 56%</td></tr><tr><td>Longitudinal, aged</td><td>Mean value: F_{max} > 491 N/50mm Elongation: 63 %</td></tr><tr><td>Transverse, initial</td><td>Mean value: F_{max} = 424 N/50mm Elongation: 94%</td></tr><tr><td>Transverse, aged</td><td>F_{max} > 454 N/50mm Elongation: 95 %</td></tr></table>	Tensile properties	AIRTEX® SAFETY ND DSK	Longitudinal, initial	Mean value: F _{max} = 532 N/50mm Elongation: 56%	Longitudinal, aged	Mean value: F _{max} > 491 N/50mm Elongation: 63 %	Transverse, initial	Mean value: F _{max} = 424 N/50mm Elongation: 94%	Transverse, aged	F _{max} > 454 N/50mm Elongation: 95 %
	Tensile properties	AIRTEX® SAFETY ND DSK									
	Longitudinal, initial	Mean value: F _{max} = 532 N/50mm Elongation: 56%									
	Longitudinal, aged	Mean value: F _{max} > 491 N/50mm Elongation: 63 %									
	Transverse, initial	Mean value: F _{max} = 424 N/50mm Elongation: 94%									
Transverse, aged	F _{max} > 454 N/50mm Elongation: 95 %										
Resistance to water before- and after aging:	Class W1										
Resistance to penetration of air	0,370 m³/ (m² × h × 50 Pa)										
Water tightness of seams	No Performance Assessed										
Emissivity	No Performance Assessed										
Tightness of perforations from nails and screws	<table><tr><th colspan="2">AIRTEX® SAFETY ND DSK</th></tr><tr><td>No additional nail sealing material is necessary on a full-surface pressure-resistant substrate</td><td>With nail sealing tape AirTex Nageldichtband, in the case of non-full-surface</td></tr></table>	AIRTEX® SAFETY ND DSK		No additional nail sealing material is necessary on a full-surface pressure-resistant substrate	With nail sealing tape AirTex Nageldichtband, in the case of non-full-surface						
	AIRTEX® SAFETY ND DSK										
No additional nail sealing material is necessary on a full-surface pressure-resistant substrate	With nail sealing tape AirTex Nageldichtband, in the case of non-full-surface										
	Heavy rain of 2 l / m² × min up to a wind pressure of 300 Pa.										

Aspects related to the performance of the product

The European Technical Assessment is issued for the product on the basis of agreed data/information, deposited with ETA-Danmark, which identifies the product that has been assessed and judged. Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to ETA-Danmark before the changes are introduced. ETA-Danmark will decide if such changes affect the ETA and consequently the validity of the CE marking based on the ETA and if so whether further assessment or alterations to the ETA, shall be necessary.

The performance of the membranes results from the characteristic values and categories.

The supplementing statements of the manufacturer stated in the MTD for design and application of the membrane for creating a roof underlay with the appropriate performance shall be considered

The performance of the membranes in use as roof underlay can be assumed only, if the following aspects are considered:

- only those ancillary components which are specified by the ETA can be used,
- the appropriate tools shall be used and adjuvant, precautions shall be taken,
- inspecting the substrate surface for appropriateness and correct treatment,
- inspection in the process of establishing the roof underlay and of the finished installation and documentation of the results.

The information as to the handling of waste products shall be observed.

It is the manufacturer's responsibility to make sure that all those who utilize the membrane will be appropriately informed about the specific conditions according to this ETA and the not confidential parts of the MTD deposited to this ETA.

4 Attestation and verification of constancy of performance (AVCP)

4.1 AVCP system

According to the decision Decision 99/90/EC and 2001/596/EC of the European Commission as amended, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) is 3.

5 Technical details necessary for the implementation of the AVCP system, as foreseen in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark prior to CE marking.

Issued in Copenhagen on 2019-06-21 by



Thomas Bruun
Managing Director, ETA-Danmark

MAGE® Roof & Building Components GmbH
 An den Steinenden 7 | D-04916 Herzberg (Elster)

HERSTELLERERKLÄRUNG zur EU-TAXONOMIE VERORDNUNG

Zur Bestätigung der Konformität gemäß Anlage C zur Vermeidung und Verminderung der Umweltverschmutzung gemäß der Delegierten Verordnung (EU) 2023/2486 der Kommission vom 27. Juni 2023.

Hiermit bestätigen wir:

MAGE Roof Building Components GmbH
 An den Steinenden 7
 04916 Herzberg / Elster

für die folgenden Produkte:

- Air Tex MAGE-MB
- FireSafe W1 Black
- AirTex Safety ND DSK
- FireSafe SkyTherm
- FiRo Light
- Flex-Alu (glatt / plissiert / F2)
- Flex Polyform
- Lüftungsprofile Alu
- Rinneneinlauf Alu
- Traufenlüftungskamm Alu
- VarioFit
- Vario Vent
- Alu Rolle Microschnitt

Das Produkt/ Erzeugnis/ mindestens ein Teilerzeugnis enthält Stoffe der Kandidatenliste (Version zum Ausstellungsdatum) oberhalb 0,1 Massen%:	nein
Das Produkt/Erzeugnis/mindestens ein Teilerzeugnis enthält weitere CMR-Stoffe der Kategorie 1A oder 1B, die nicht auf der Kandidatenliste stehen, oberhalb von 0,1 Massen-% in mindestens einem Teilerzeugnis:	nein

Ihr Ansprechpartner bei Rückfragen:
 Telefonnummer:
 E-Mail-Adresse:

Ralf Neukirch (QHSE-Manager)
 +49 (0) 35 35 / 40 07-716
 ralf.neukirch@mage-roof.com

Herzberg, 01.12.2025



MAGE®
 ROOF & BUILDING
 COMPONENTS GmbH
 An den Steinenden 7 Tel. 03535/4007-0
 D-04916 Herzberg/E. Fax 03535/4007-17

MAGE® Roof & Building Components GmbH

An den Steinenden 7
 D-04916 Herzberg (Elster)
 Tel.: +49 (0) 35 35/40 07-0
 Fax: +49 (0) 35 35/40 07-17
 info@mage-roof.com
 www.mage-roof.com

Geschäftsführer
 Nils Kaltwasser
 Bernhard Pawlik
 St.-Nr.: 057/114/00399
 USt.-IdNr.: DE 157 065 837
 Amtsgericht Cottbus: HRB 2409

Bankverbindungen IBAN BIC
 HypoVereinsbank DE97 7412 0071 0035 0368 81 HYVEDEMM415
 Sparkasse Elbe-Elster DE84 1805 1000 3300 1016 70 WELADED1EES