SENTINEL HOLDING
INSTITUT

SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

15075-10-1035

AirTex Safety ND DSK

Product group: Roof and facade - Underlay Membranes - Underside sheathing membrane

MAGE® creating value for buildings

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

Product qualities:

- 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:
AirTex Safety ND DSK

SHI Product Passport no.:
15075-10-1035

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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

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Product:
AirTex Safety ND DSK

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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	not applicable	not applicable	QNG ready - Not relevant for assessment

Product:
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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	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:
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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

Product:
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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

Product:
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SHI Product Passport no.:
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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: Herstellererklärung vom 20.05.2025			

Product:
AirTex Safety ND DSK

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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			Not relevant for assessment

Product:
AirTex Safety ND DSK

SHI Product Passport no.:
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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.



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.:
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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

SGS TÜV SAAR

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AirTex® Safety ND DSK und Zubehör

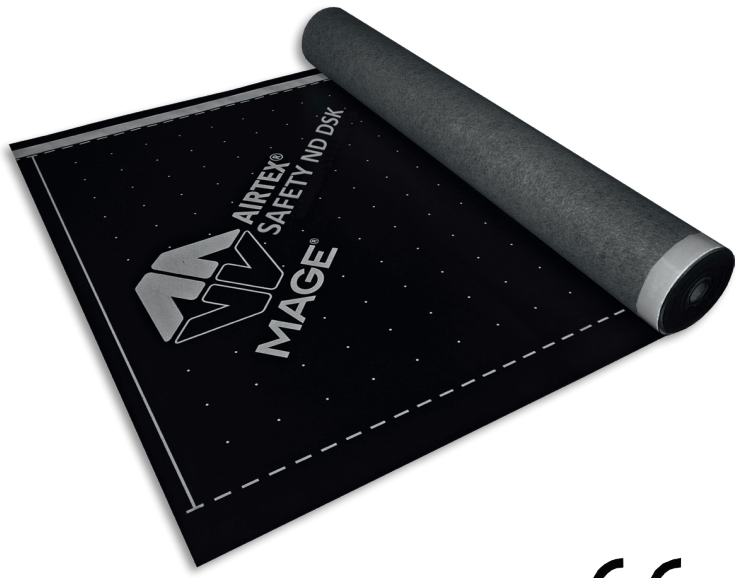
Diffusionsoffene Unterdeck-/Unterspannbahn
mit doppeltem Selbstklebestreifen

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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

ZVDH - Klassifizierung
UDB
USB

ETA-Danmark A/S
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Tel. +45 72 24 59 00
Fax +45 72 24 59 04
internet www.etadanmark.dk

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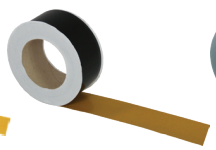
MEMBER OF EOTA

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

Zubehör



AirTex® PP



AirTex® UV extra



AirTex® Nageldichtband



AirTex® MAGE-MB Multiband



AirTex® DM



MAGE AirTack WCS-K



MAGE AirTack WCS-S

MAGE Roof & Building Components GmbH
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info@mage-roof.com • www.mage-roof.com

AirTex® Safety ND DSK und Zubehör

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Technische Daten

MAGE Flex Anschlussschürze			
Typ	Unterdeck-/Unterspannbahn mit doppeltem Selbstklebestreifen		
Produktaufbau	diffusionsoffen		
ZVDH-Klasse	UDB/USB		
Farbe	Schwarz		
Länge (EN 1848-2)	34 m (51 m²)/50 m (75 m²)		
Breite (EN 1848-2)	1,5 m		
Flächengewicht (EN 1849-2)	280 g/m² (–10 %/+10 %)		
Brandverhalten (EN 13501-1)	E		
Widerstand gegen Wasserdurchgang (EN 1928)	*a Klasse W1		*b Klasse W1
sd-Wert (EN 12572/C)	0,13 m (–0,03 bis +0,08 m)		
Zugfestigkeit (EN 12311-1+EN 13859-1)	längs quer	*a 520 N/50 mm (–120 bis +80 N/50 mm) *a 520 N/50 mm (–120 bis +80 N/50 mm)	*b 420 N/50 mm (–120 bis +80 N/50 mm) *b 420 N/50 mm (–120 bis +80 N/50 mm)
Dehnung (EN 12311-1+EN 13859-1)	längs quer	*a 50 N/50 mm (–20 bis +20 N/50 mm) *a 80 N/50 mm (–20 bis +20 N/50 mm)	*b 45 N/50 mm (–20 bis +30 N/50 mm) *b 75 N/50 mm (–20 bis +30 N/50 mm)
Widerstand gegen Weiterreißen (Nagelschaft) (EN 12310-1+EN 13859-1/B)	längs quer	300 N (–100 bis +100 N) 300 N (–100 bis +100 N)	
Maßhaltigkeit (EN 1107-2)	< 1 %		
Temperaturbeständigkeit (Kaltbiegeverhalten)	–40 °C bis +110 °C		
Hydrostatischer Druckversuch (EN 20811)	> 300 cm		
Freibewitterung bei Behelfsdeckung	12 Wochen		
UV-Beständigkeit	3 Monate		
Wassersäule nach DIN 20811	3.000 mm		

*a vor künstlicher Alterung *b nach künstlicher Alterung bei 110 °C

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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 (PBBE), 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

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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 **Characteristics**	**AIRTEX® SAFETY ND DSK**
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 **Characteristics**	**AIRTEX® SAFETY ND DSK**
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 **Characteristics**	**AIRTEX® SAFETY ND DSK**
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**

<table>
<tr><th>Characteristic</th><th>Assessment of characteristic</th></tr>
<tr><td>Dimensional stability
EN 1107-2</td><td>< 1 % both longitudinal and transverse</td></tr>
<tr><td>Flexibility at low temperature</td><td>$T_B \leq$ -30 °C</td></tr>
<tr><td>Resistance to artificial ageing:
UV resistance 5000h
Exposure to heat</td><td>
<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>
Resistance to water before- and after aging: Class W1
</td></tr>
<tr><td>Resistance to penetration of air</td><td>0,370 m^3/ (m^2 × h × 50 Pa)</td></tr>
<tr><td>Water tightness of seams</td><td>No Performance Assessed</td></tr>
<tr><td>Emissivity</td><td>No Performance Assessed</td></tr>
<tr><td>Tightness of perforations from nails and screws</td><td>
<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>
<tr><td colspan="2">Heavy rain of 2 l / m^2 × min up to a wind pressure of 300 Pa.</td></tr>
</table>
</td></tr>
</table>

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:

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Herzberg, 01.12.2025

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