



TEROSON FO 150 FOIL-TACK M+S

September 26

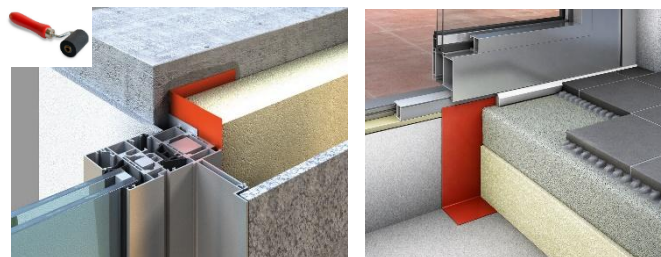
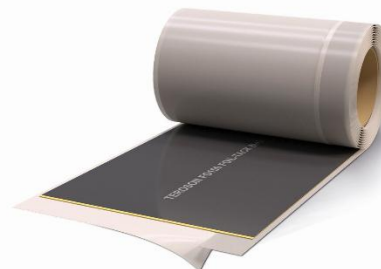
Full-surface self-adhesive, waterproof and highly vapor-retarding special sealing membrane for interior and exterior applications, designed for waterproofing components in contact with the ground in accordance with DIN 18533, as well as balconies, loggias and access balconies in accordance with DIN 18531-5

PROPERTIES

- Full-surface self-adhesive
- Immediately water-, driving rain- and airtight
- No need for additional mechanical fastening
- Very strong vapor diffusion-retarding effect
- Bitumen-resistant
- Can be applied down to -5 °C
- Asymmetrically divided release liner with finger lift
- Highly tearproof special sealing membrane with patented hotmelt technology
- Highly flexible, therefore easily moldable to the surface
- Adhesion even on wet frames/profiles*
- EMICODE EC 1 Plus certified
- Available on request: Product and manufacturer's declarations according to DGNB, LEED and BREEAM

**Adhesion on wet, non-absorbent surfaces like metal, PVC and laminated wooden frames. Carry out your own tests.*

- Waterproofing of transition and connection areas on balconies, loggias and access balconies in accordance with DIN 18531-5



POSSIBLE USES

- Vapor-retarding sealing of connection joints between facade elements and building structure against water, vapor and vapor convection inside the building and on the outer, warm side of the component
- For sealing concrete joints on ventilated, thermally insulated facades
- For providing protection against condensation when insulating ventilated facades
- Watertight sealing membrane for use with all penetrations found on pitched roofs (roof windows, vent pipes etc.)
- Waterproofing of vertical and horizontal surfaces on the water-facing (positive) side of the component – outdoors and indoors
- Waterproofing of base slabs and earth-contacting walls against ground moisture and non-pressing water in compliance with DIN 18533-1 (water exposure classes W1.1-E, W1.2-E) and DIN 18533-2:2017-07, table 9
- Waterproofing of earth-covered ceilings (class W3-E)
- Waterproofing against capillary rise of moisture and as a water vapor barrier in the floor area under screeds (water exposure class W4-E)

SUBSTRATE PREPARATION

Clean the substrate before fixing the sealing membrane. When used as building waterproofing (BA), the substrate must always be carried out in accordance with DIN 18533-2 or DIN 18531-5, as applicable.

The areas to be sealed must be load-bearing, sound and free from dust, release agents, oil, grease, sintered layers and other substances that may impair adhesion. Deep hollows, e.g. rock pockets or shrink holes in the concrete, must first be filled. All metal substrates, e.g. element surfaces of aluminium or zinc, must be free of oxide layers and release agents. Oxide layers must be removed before bonding by suitable mechanical surface preparation, e.g. sanding followed by cleaning. Bonding should be carried out immediately after surface preparation.

At low temperatures make sure that the surfaces are free of ice crystals. Sharp or pointed irregularities must be removed. In the case of permeable substrates, e.g., coarse-pored exterior walls, it is necessary to apply a standard render (smooth trowel finish).

APPLICATION: Use of primers

On mineral, weakly bound but load-bearing substrates it is recommended to apply a TEROSON primer. In adverse weather conditions, the use of adhesion promoters is required on mineral substrates. Particularly suitable at low temperatures and on damp substrates is TEROSON PR Primer M+S (meets the requirements of DGNB, LEED and BREEAM). On wet substrates (no standing water), use TEROSON AD Adhesive Spray.

Please refer to the respective Technical Data Sheet and the corresponding Safety Data Sheet for information on how to use the primer.

CONNECTION SEALS ON WINDOWS / FACADES

TEROSON FO 150 FOIL-TACK M+S is equipped with an asymmetrically divided release liner. After peeling off the 30 mm wide liner, this part of the sealing membrane can be fixed cleanly and efficiently to the profile/frame.

In the 2nd step, evenly pull the release liner off the self-adhesive hotmelt coating. Press the membrane firmly down to the substrate using the TEROSON hard rubber roller.

On the building structure, we recommend fixing the membrane over a width of at least 50 mm. However, it is possible to reduce the width on smooth, clean, load-bearing substrates after consultation with the TEROSON facade expert. The decisive factor is always the adhesiveness and load-bearing capacity of the substrate. We recommend carrying out your own tests on site. Make sure to fix the membrane in such a way that no capillary water can be absorbed and air pockets are avoided. Press the membrane firmly down, especially in overlapping and edge areas, using the TEROSON hard rubber roller. The overlap width of adjoining membrane should be 50 mm. Additional mechanical fastening of TEROSON sealing membrane is generally not required. Very uneven substrates must be levelled by applying an additional layer of TEROSON AD KDS.

Before connecting TEROSON FO 150 FOIL-TACK M+S sealing membrane to other types of membranes, please consult our Technical Service Department.

CONNECTION SEALS ON BUILDING WATERPROOFING (BA) AND BALCONIES / LOGGIAS / ACCESS BALCONIES

For connection waterproofing to the building structure (BA), or for balconies, loggias and access balconies, we recommend an adhesion width of ≥ 100 mm on the building structure or on dissimilar substrates. On smooth, clean and load-bearing substrates, the adhesion width may be reduced, where appropriate, after consultation with a TEROSON facade

expert. The decisive factors are always the adhesion and load-bearing capacity of the substrate. Particularly in the case of bituminous substrates, it must be ensured that they are load-bearing. We recommend verifying this by carrying out on-site tests.

For substrates with poor adhesion or contaminated substrates, we recommend using TEROSON PR Primer M+S in accordance with DGNB, LEED and BREEAM requirements, or TEROSON AD Adhesive Spray. The membrane must be bonded in such a way that capillary water absorption and air pockets are prevented. It must therefore be pressed down firmly using the TEROSON hard rubber roller, particularly at overlaps and edges. Membrane overlaps must be bonded with an overlap width of at least 50 mm. Additional mechanical fastening of TEROSON sealing membranes is generally not required.

The sealing membrane achieves its full and optimum adhesion to the substrate after approximately 24 hours.

Before connecting the TEROSON FO 150 FOIL-TACK M+S sealing membrane to other structural waterproofing systems, such as PVC-P-NB, FPO, HDPE, EPDM, liquid-applied waterproofing, elastomer-modified bitumen or polymer-modified bitumen, please consult a TEROSON façade expert prior to application.

PLEASE NOTE

Waterproofing systems in accordance with DIN 18533-1/-2 and DIN 18531-5 must be protected in accordance with the respective applicable standards.

SUSTAINABLE BUILDING

On request, product and manufacturer's declarations for sustainable building can be made available. The documents meet the requirements of common certification and assessment systems such as DGNB, LEED and BREEAM.

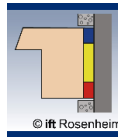
STORAGE

Rolls of TEROSON FO 50 150 FOIL-TACK M+S must be transported and stored in an upright position. Before use, the rolls must be protected from pressure, heat and moisture. Shelf life: ≥ 36 months

CERTIFICATES

DIN EN 13967 | DIN EN 13956 (CE-certificate no. 7640 | 9356)

General type approval (aBG of the DIBT / Z-72.4-23)



1213-CPR-7640

1213-CPR-9356

DISPOSAL

The outer cartons of TEROSON FO 150 FOIL-TACK M+S are disposed of at a wastepaper collection point or at municipal waste collection points. Residues of the membrane must be disposed of as industrial waste / construction site waste.

European Waste Code (EWC): 080410

TECHNICAL DATA

TEROSON FO 150 FOIL-TACK M+S

Material base:	double-laminated special sealing membrane combined with Henkel hotmelt technology
Colour:	anthracite
Length (EN 1848-2):	20 / 30 m ± 0,1 %
Width (EN 1848-2):	150-1000 mm ± 0,05 %
Thickness (EN 1849-2):	total - ca. 0,4 mm ± 10 % effect. 100µm ± 5 %
Area weight (EN 1849-2):	ca. 0,4 kg/m² ± 0,03
Straightness (EN 1842-2):	passed
Visible defects (EN 1842-2):	passed
Temperature resistance:	-20 °C bis +80 °C
Application temperature:	-5 °C bis +35 °C
Cold flexibility: (EN 495-5)	≤ -30 °C
Tensile strength / Extension N/6mm): (EN 12311-2, method B)	≥ 25 N ≥ 30 %
(EN 12311-1)	≥ 300 %
Tear propagation resistance: (EN 12310-1)	> 100 N (Nail shank)
Tear resistance: (EN 12311-2, method B)	≥ 40 N ≥ 120 %
Resistance to static load: (EN 12730):	≤ 10 kg (test method A) ≤ 15 kg (test method B)
Resistance to impact: (EN 12691)	≤ 150 mm (test method A) ≤ 500 mm (test method B)
Shear resistance of the seams: (EN 12371-2)	> 125 N/50 mm
Durability with artificial aging: (EN 1296 & EN 1928)	passed
Resistance to chemicals: (DIN EN 847 & EN 1928)	passed
Water vapor permeability: (EN 1931 (m²sPa/kg))	4,0 ± 30% / sd-value = 102 m
Watertightness (EN 1928):	60 kPa (passed) / 4 bar / 72 h ± 40 mW passed (> 1000 h)
Exposure to UV radiation (EN 1297):	passed
Bitumen compatibility (EN 1548 & EN 1928):	passed
Fire resistance: (EN 13501-1)	class E
UV resistance:	12 months
Roll dimensions:	30 m long, 80-350 mm wide 20 m long, 400-700 mm wide

CE-marking

 1213	
Henkel AG & Co. KGaA, D-40191 Düsseldorf 21 01708 I 1213-CPR-7640 TEROSON FO 150 FOIL-TACK M+S	
EN 13967:2012 Flexible sheets for waterproofing - Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet	
Reaction to fire	Class E
Shear resistance of joints	> 125 N/50 mm
Resistance to impact	≥ 150 mm (Method A) ≥ 500 mm (Method B)
Durability	
- against aging	passed
- against chemicals	passed
Hazardous substances	NPD
Henkel AG & Co. KGaA, D-40191 Düsseldorf 26 01970 I 1213-CPR-9356 TEROSON FO 150 FOIL-TACK M+S	
EN13956:2012 Flexible sheets for waterproofing – Plastic and rubber sheets for roof waterproofing	
Reaction to fire	Class E
Shear resistance of joints	> 125 N/50 mm
Resistance to impact	≥ 150 mm (Method A) ≥ 500 mm (Method B)
Tear resistance	≥ 40 N/mm²
Foldability at low temperatures	≤ -30 °C
Exposure to bitumen	passed
Hazardous substances	NPD

Apart from the information given in this Technical Data Sheet it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the applicable national standards. All data given was obtained at an ambient and material temperature of +23°C and 50% relative humidity unless specified otherwise. Please note that in other climatic conditions hardening may be accelerated or delayed and take the resulting consequences into account.

The above information, in particular proposals for the handling, application and use of our products, is based on our knowledge and experience. As materials and conditions may vary with each intended application and thus are beyond our influence, we strongly recommend that in each case the user conducts sufficient tests to ensure our products are suitable for the intended application method and use. Legal liability cannot be accepted, either based on the content of this data sheet or any verbal advice given, unless there is evidence of carelessness or gross negligence on the manufacturer's part. This Technical Data Sheet supersedes all previous issues.

Please refer to our Safety Data Sheet for hazard warnings, safety advice and information on transport labelling.