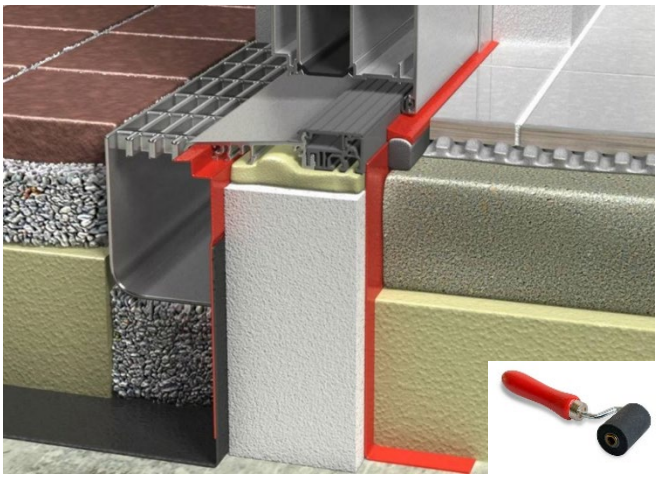
TEROSON FO KSK M+S

February 22

Full-surface self-adhesive sealing strip for waterproofing ground-contacting structural components according to DIN 18533

PROPERTIES

- Self-adhesive over its entire surface, instantly watertight
- Solvent-free and environmentally friendly
- Flexible, crack-bridging, equipped with an asymmetrically divided release paper
- Can be applied down to -5 °C
- Tearproof, high-grade, cross-laminated special sealing strip coated with a plastic-modified bitumen compound
- Bitumen-resistant and radon-tight
- Highly flexible, therefore easily moldable to the surface
- Sealing strip thickness 1.5 mm in compliance with DIN SPEC 20000-202:2016-03, table 18
- No need for additional mechanical fastening
- EMICODE EC 1 Plus certified
- Available on request: Product and manufacturer's declarations according to DGNB, LEED and BREEAM



POSSIBLE USES

- 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 against capillary rise of moisture and as a water vapor barrier in the floor area under screeds (water exposure class W4-E)

SUBSTRATE PREPARATION

Substrate preparation must always be carried out in accordance with DIN 18533 part 2. Clean the substrate before fixing the sealing strip. The areas to be sealed must be sufficiently dry, level, load-bearing, frost-free, clean and free from oil, grease, tar, gravel pockets, cracks, dust, dirt, mortar residues and other impurities or substances that may impair adhesion. Open butt joints or deep cavities of > 5 mm, e.g. rock pockets or shrinkholes in the concrete, must first be filled with a suitable mortar if necessary. Sharp or pointed irregularities must be removed.

APPLICATION: Use of primers

On mineral, weakly bound but load-bearing substrates it is necessary to apply a TEROSON primer. Particularly suitable and recommended at low temperatures and on damp substrates of any kind 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.

TEROSON

APPLICATION

CONNECTION SEALS ON FACADE PROFILES

TEROSON FO KSK M+S sealing strip is applied in the 1st step with a width of ≥ 30 mm cleanly and efficiently to the profile. In the 2nd step, pull the release paper evenly off the self-adhesive coating. Pull at a slight angle, moving from the edge of the strip in the direction of the middle towards the perforation. Press the sealing strip firmly to the substrate using the hard TEROSON rubber roller.

On the building structure, we recommend fixing the strip over a width of ≥ 100 mm. However, it is possible to reduce the width on smooth, clean, load-bearing substrates after prior consultation with our 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 strips in such a way that no capillary water can be absorbed and air pockets are avoided. Press the strips firmly down, especially in overlapping and edge areas, using the hard rubber roller. Overlapping strips must be bonded on top of each other over a width of approx. 80 mm. Additional mechanical fastening of TEROSON sealing strips is generally not required. After installation, cover the strips to protect them from direct sunlight as well as thermal and mechanical stress.

Full, optimum adhesion of the sealing strip to the surface is reached after approx. 24 hours.

Before connecting TEROSON FO KSK M+S to other types of strips or membranes, please consult our Technical Service Department.

PLEASE NOTE

The waterproofing layer must be protected in compliance with DIN 18533 part 1. Therefore, protect TEROSON FO KSK M+S from intense heat, frost and moisture before and during application. Residues of the polymer-bitumen compound can be removed with cleaning solvent, if necessary mechanically.

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.

TECHNICAL DATA

TEROSON FO KSK M+S

Material base:	HDPE sheeting coated with a plastic-modified bituminous adhesive compound
Color:	Anthracite
Standard thickness / width:	1.5 mm x 1000 mm
Area weight:	Approx. 1.7 kg / m²
Application temperature:	-5 °C to +35 °C
Crack-bridging ability (DIN 28 052-6):	≤ 5.0 mm – ≤ 2.0 mm (R4-E)
Cold flexibility:	-30 °C
Tensile strength:	
max. tensile force: longitudinal	240 ± 40 N/50 mm
max. tensile force: transverse	370 ± 100 %
Extension (longitudinal/transverse):	320 ± 80 %
Tear propagation resistance:	> 100 N (longitudinal/transverse)
Resistance to static load (test method B):	≤ 5 kg
Resistance to impact (test method A):	≤ 200 mm
Shear resistance of the seams:	> 200 N/50 mm
Heat resistance: (DIN 52 123)	> 60 °C
Water vapor permeability: (sd value)	Approx. 235 m
Watertightness: (DIN EN 1928)	4 bars / 24 h (test passed)
Fire resistance: (DIN EN 13501-1)	Class E

STORAGE

TEROSON FO KSK M+S can be stored for 12 months in a dry and frost-free place.

CERTIFICATES

GEV-EMICODE EC 1 PLUS very low emission

CE No. 01526

WINTeQ System Institute-tested quality by Teroson

Henkel AG & Co. KGaA
Henkelstraße 67
40589 Düsseldorf, Germany
Phone: +49 211 797-0
Fax: +49 211 798-40 08
www.henkel.com

Henkel

TEROSON

CE marking

CE 0761
Henkel AG & Co KGaA, D-40191 Düsseldorf 20 01526 TEROSON FO KSK M+S (01526)
EN 13969:2004 + A1:2006 Cold self-adhesive polymer bitumen membrane for waterproofing

Reaction to fire	class E
Dangerous substances	none
Water tightness	passed
Durability of water tightness after artificial aging	passed
Durability of water tightness against chemicals	passed
Shear resistance of joints	npd
Resistance to impact	passed, method A: ≤ 200 mm
Tensile strength	MD/CD: 240 ±40 N/50 mm
Elongation	MD: 370 ±100 %
	CD: 320 ±80 %
Resistance to static loading	passed, method B: ≤ 5 kg
Resistance to tearing	140 ±40 N
Flexibility at low temperatures	≤ -30 °C
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DISPOSAL

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

European Waste Code (EWC): 080409

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.

Henkel AG & Co. KGaA
Henkelstraße 67
40589 Düsseldorf, Germany

Phone: +49 211 797-0
Fax: +49 211 798-40 08
www.henkel.com

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