

Full-surface self-adhesive sealing strip/membrane for sealing against moisture (capillary and retained water) and non-accumulating seepage water in compliance with DIN 18195, parts 4 and 5

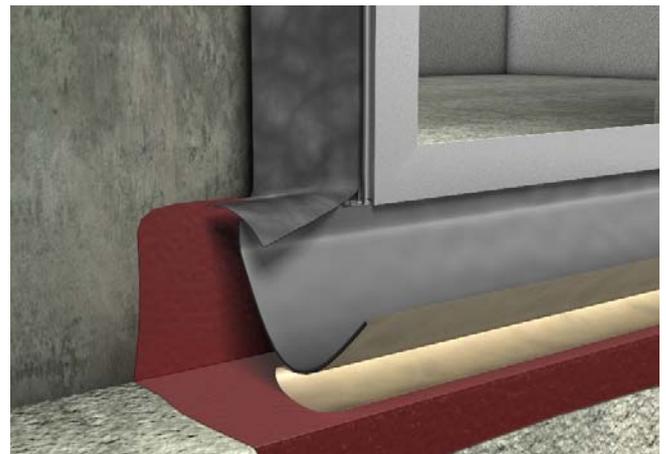
PROPERTIES

- Self-adhesive over its entire surface, instantly watertight
- Bitumen-resistant
- Can be applied down to -10 °C
- No need for additional mechanical fastening
- Asymmetrically divided release paper
- Sealing in compliance with DIN 18195, parts 4+5
- Material thickness 1.5 mm
- Radon-tight
- Tearproof, high-grade special sealing strip coated with a moldable bitumen-rubber adhesive compound
- Especially moldable, can therefore easily be adapted to the building structure
- EMI CODE EC 1 Plus certified
- Product and manufacturer's declarations available on request according to DGNB, LEED, baubook and bauXund



POSSIBLE USES

- For sealing vertical and horizontal surfaces, indoors and outdoors, on the positive side of the building
- For waterproofing earth-contacting cellar walls and foundations slabs against ground moisture and non-accumulating seepage water (moisture exposure according to DIN 18195, part 4)
- For waterproofing horizontal and sloping surfaces both above and below ground as well as walls and floors in wet rooms against non-pressing water of moderate load (according to DIN 18195, part 5), e.g. balconies and terraces
- For waterproofing against capillary rise of moisture and for use as a water vapor barrier in the floor area under screeds
- Can be used as a bandage on pipe conduits
- Suitable as corrosion protection for underground piping



SUBSTRATE PREPARATION

The substrate must be sound, load-bearing, free of substances likely to impair adhesion, clean and sufficiently pressure-resistant to allow the membrane and overlapping areas to be firmly pressed down.

At low temperatures make sure the surface is clear of ice. Horizontal areas may be damp, but must be free of standing water and surface water. Mechanically remove sharp or pointed irregularities from the substrate surface.

Deep cavities, e.g. rock pockets in the concrete, must be expertly filled. All metal surfaces (e.g. aluminum, copper or zinc) must be dry, clean and free of oxide layers; all plastic profiles must be dry, clean and free of grease.

APPLICATION

TEROSON FO KSK M+S sealing strips/membranes feature a particularly broad range of applications.

All bituminous and mineral substrates need to be pretreated with TEROSON PR Primer M+S before fixing the sealing strip. Especially at cool temperatures and with damp substrates, TEROSON FO KSK M+S needs to be primed with TEROSON PR Primer M+S.

TEROSON PR Primer M+S is a solvent-containing, ready-for-use, rubber-based primer which is applied by paint brush, paste brush or spray can. Allow the priming coat to flash off until it is dry but still tacky.

The consumption depends on the substrate absorbency and is approx. 80-120 g/m². The flash-off time depends on ambient temperature and relative air humidity. Only prime as much area as can be covered with the sealing strip/membrane on the same day.

CONNECTION SEALS WINDOW/FACADE

TEROSON FO KSK M+S is frequently used for sealing floor-to-ceiling elements. Thanks to its thickness of 1.5 mm, it meets the requirements of DIN 18195, parts 4+5.

The standard widths of 200 mm and 300 mm are equipped with an asymmetrically divided release paper. After removing the 30 mm wide release paper, this part of the strip can be cleanly and efficiently bonded to the window element. There are two options: the sealing strip can either be fixed to the window element in the workshop or directly on site.

After fitting in the window, pull the release paper evenly off the self-adhesive coating and press the sealing strip firmly down to the surface. In order to achieve the necessary contact pressure, it is advisable to use a hard rubber roller to press the strip down to the building envelope. We recommend fixing the strips over a width of 10 cm on the load-bearing substrate. In the case of very smooth substrates, the bonding width can be reduced after prior consultation with TEROSON's Technical Service Department.

Make sure to fix the strips in such a way to avoid the capillary rise of moisture and prevent larger air inclusions. Therefore press them firmly down, especially in overlapping and edge areas, using a suitable pressure roller. Overlapping strips should be bonded on top of each other over a width of approx. 80 mm.

When using the TEROSON sealing strip system for producing connection seals, it is not necessary to use additional mechanical fasteners. This distinguishes TEROSON from other sealing strip systems. After fixing, make sure to protect the sealing strip against direct sun radiation and high temperatures.

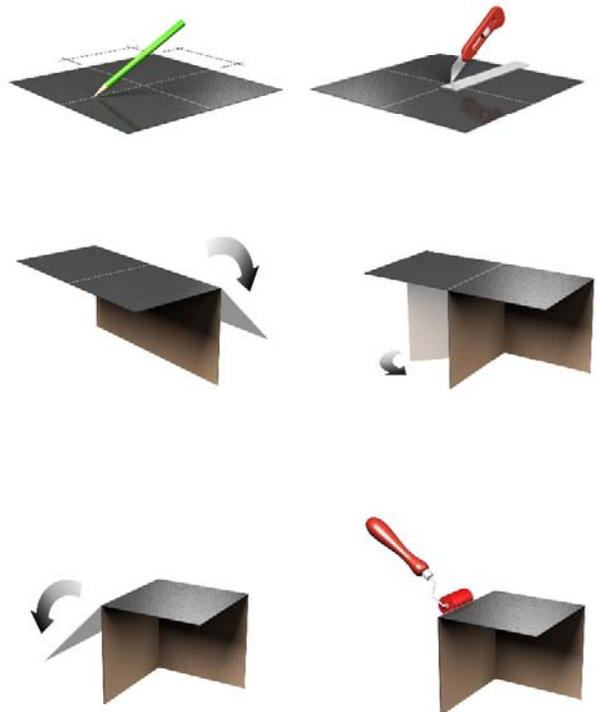
FULL-SURFACE STRUCTURAL WATERPROOFING

To protect cellars, facades, wet rooms, balconies and terraces against moisture, TEROSON FO KSK M+S sealing strips/membranes are applied on the outside or inside on the positive side of the building (i.e. water-exposed side). The strips/membranes can also be used for horizontal and vertical surface sealing of buildings and building components to protect them against ground moisture and non-pressing water.

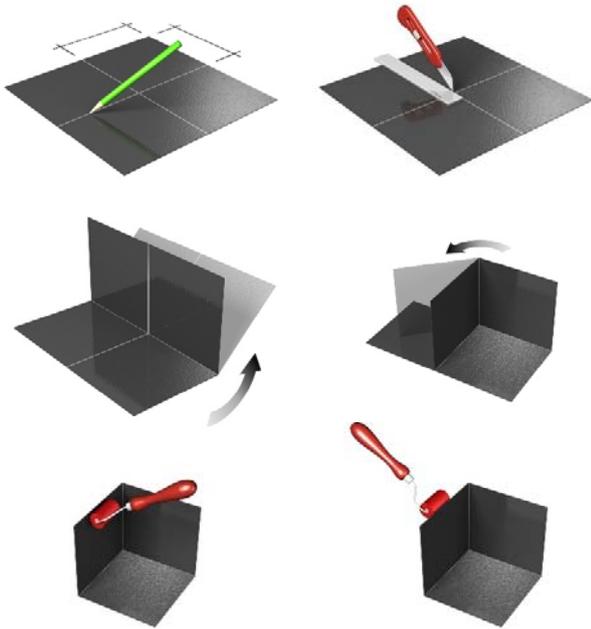
TEROSON FO KSK M+S strips can be easily cut to size using a sharp knife with a straight blade. Cut the strip on a cutting board, with the release paper facing downwards. Before installing the sealing strip, apply a reinforcing strip of approx. 30 cm width to all corners, edges and fillets/grooves. These reinforcing strips can also be cut from TEROSON FO KSK M+S.

Also inner and outer corners need to be sealed separately before installing the TEROSON FO KSK M+S sealing strip/membrane.

How to produce outer corners



How to produce inner corners



Before installing the Teroson FO KSK M+S membrane, the corners can be fixed either directly on the primed surface or with the help of membrane off-cuts. Alternatively, the corners can be sealed with additional pieces cut from the KSK membrane and fixed according to the installation instructions. After that, the Teroson FO KSK M+S membrane is laid out and fixed to the entire surface while at the same time pulling off the release paper. On vertical surfaces, we recommend using runs of the membrane that have been previously cut to size.

Make sure to follow the sequence of steps described below:

- Slowly and evenly peel back approx. 1 m of release paper from the membrane edge and roll it up.
- Place the membrane, adhesive side down, on the surface and continue to unroll the membrane, step by step, while peeling back the release paper as you go.
- At the same time, using a medium hard roller, press the membrane down from the midline outwards to avoid creases and air bubbles between substrate and membrane and ensure good instant adhesion.
- When the entire membrane run has been laid out, press it firmly down using e.g. a rubber roller. Take special care to roll down the overlapping areas (minimum overlap width: 80 mm).

On absorbent substrates, use Teroson PR Primer M+S to improve the adhesion of the membrane. Alternatively, the membrane edges can be fastened

with plaster rails or capping strips. If, for structural reasons, it is necessary to seal the edges of the KSK membrane, only use Teroson RB 4006 or Teroson AD KDS for this purpose.

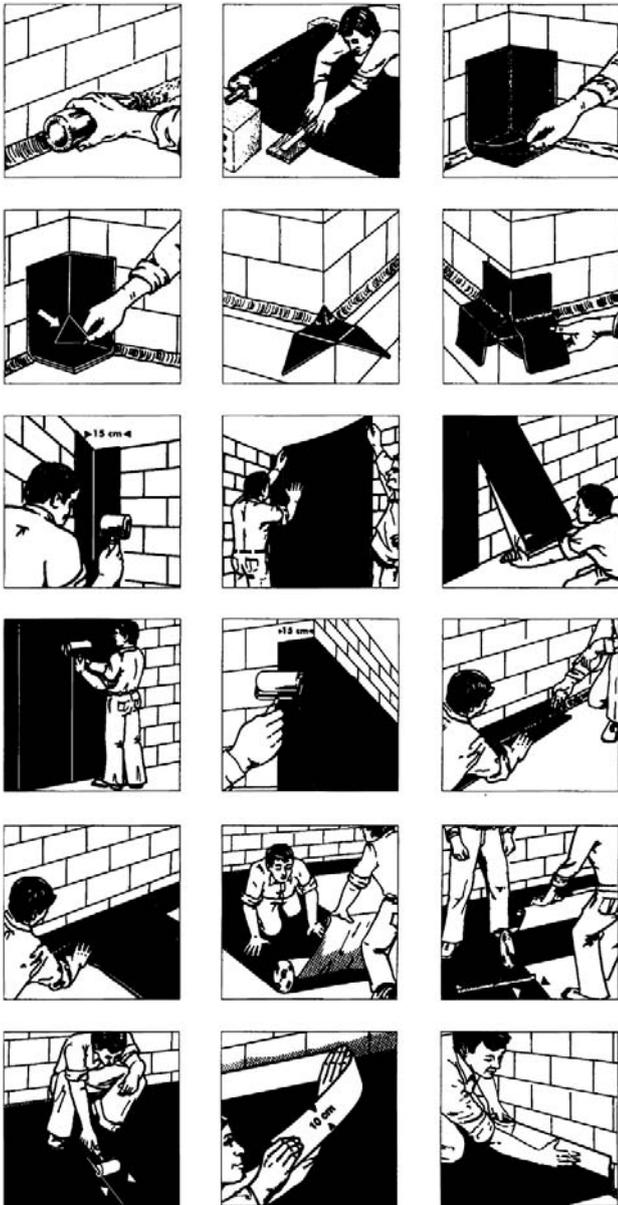
When planning to combine Teroson FO KSK M+S with other sealing strips or membranes, please contact us to request advice. For example, PVC sheeting by WOLFEN (plasticized with the help of polymers) can be covered directly with Teroson FO KSK M+S membranes. PVC sheeting plasticized with the help of monomers must first be covered with a barrier layer against the plasticizer. EPDM membranes must be primed with Teroson PR Primer M+S.

Protect the finished waterproofing layer from damage, e.g. by using polystyrene drainage boards to protect exterior cellar walls.

CONSTRUCTION JOINTS AND BUTT JOINTS

When waterproofing the movement and butt joints of structural components made of waterproof concrete, it is necessary to follow the "WU-Richtlinie" (Code of Practice for concrete structures impermeable to water). For this purpose, apply the sealing strip/membrane Teroson FO KSK M+S on the earth-contacting side of the water-impermeable structure, on both sides of the joint to be sealed, over a minimum width of 15 cm (total width at least 30 cm). In the case of wall/floor construction joints on a projecting base slab, continue the Teroson FO KSK M+S strip/membrane by at least 15 cm onto the front end of the foundation slab.

Working overhead up to widths of 100 mm requires very careful priming beforehand. If wider strips need to be fixed overhead, they must be mechanically secured. In the case of very uneven surfaces, additional sealing is recommended using Teroson AD KDS. Before connecting the Teroson FO KSK M+S membrane to other sealing membranes or strips, please contact the Technical Service Department to request advice.



PLEASE NOTE

TEROSON PR Primer M+S can be used between -5 °C and +35 °C, but not on ice-covered surfaces. Please follow the instructions in the Technical Data Sheet for TEROSON PR Primer M+S. The primer contains solvents and is flammable. Therefore keep away from sources of ignition. Please observe the safety advice given in the Safety Data Sheet.

Damaged areas of the membrane can be easily repaired by cutting a patch of TEROSON FO KSK M+S to the desired size. Make sure to allow sufficient overlap on all sides. Fix the patch over the clean and dry damaged area and carefully roll it down.

SUSTAINABLE BUILDING

On request, product and manufacturer's declarations for sustainable building can be made available for this product. The documents meet the requirements of DGNB, LEED baubook and BauXund. The data sheets can be made available to the auditor to provide the necessary documentation for a sustainable building.

CLEANING

Residues of the bitumen/synthetic rubber compound can be easily removed with cleaning solvent.

TECHNICAL DATA

TEROSON FO KSK M+S

Material base:	tearproof, double cross-laminated polyethylene sheeting equipped with a moldable bitumen-rubber adhesive compound
Thickness:	1.5 mm
Width:	200 mm, 200 mm, 1 m
Weight:	approx. 1.7 kg/m ²
Application temperature:	-10 °C to +30 °C
Crack-bridging ability:	> 5 mm with 2 mm crack offset
Cold flexibility:	-30 °C
Tensile strength:	longitudinal/transverse: > 200 N/50 mm, max. tensile force > 150 % extension
Tear resistance:	> 100 N (longitudinal/transverse)
Resistance to static load:	test method B: 5 kg
Resistance to impact:	test method A: 500 mm
Shear resistance of the seams:	> 200 N/50 mm
Heat resistance (DIN 52123):	> 60 °C
Water vapor permeability (DIN EN 1931):	approx. 0.11 g/m ² d
Water vapor diffusion resistance μ (DIN EN 1931):	approx. 240 000
Diffusion-equivalent air layer thickness (sd value) (DIN EN 1931):	approx. 360 m
Watertightness:	4 bars / 24 h tight
Fire behavior:	Euro class E
Color:	black-grey

STORAGE

Rolls of TEROSON FO KSK M+S must be transported and stored in an upright position. Before use, the rolls must be protected against pressure, heat and moisture. At summer temperatures, store the rolls in a cool room. At low temperatures, store the rolls at a minimum temperature of +10 °C before use.

Remove the protective carton only at the place of use.

TEROSON PR Primer M+S can be stored for 12 months in a cool and dry place.

Self-adhesive sealing strips/membranes like TEROSON FO KSK M+S must always be stored in a cool place, because the plastic adhesive layer warms up when exposed to heat, in particular direct sunshine. This will make the application more difficult than necessary. When observing the instructions for proper storage and preparation, TEROSON FO KSK M+S strips and membranes can be used all year round.

PACKAGING

TEROSON FO KSK M+S

15 m x 1 m roll, thickness 1.5 mm

20 m x 200 mm roll, thickness 1.5 mm

20 m x 300 mm roll, thickness 1.5 mm

TEROSON PR Primer M+S 5 liter canister

TEROSON PR Primer SPRAY M+S 750 ml can,
carton with 12 cans of 750 ml each

DISPOSAL

The outer cartons of TEROSON products are disposed of at a collection point for wastepaper or at a municipal waste collection point for recycling. Residues of the strips/membranes must be disposed of as industrial waste/construction site waste.

Only return the completely emptied containers of TEROSON PR Primer M+S, free of solvent vapors, to a waste recycling center.

European Waste Code (EWC): 080409

CERTIFICATES



Fire behavior acc. to DIN EN 13501-1

Test institute: MPA Braunschweig

Classification: Class E

Certificate no.: K-3661/484/09-MPA BS

Determination of the watertightness

Test institute: MPA Braunschweig

Certificate no.: 5244/579/13-3

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 were 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.

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