



Flame-retardant, watertight, vapor-permeable and elastic sealing strip system for outdoor use

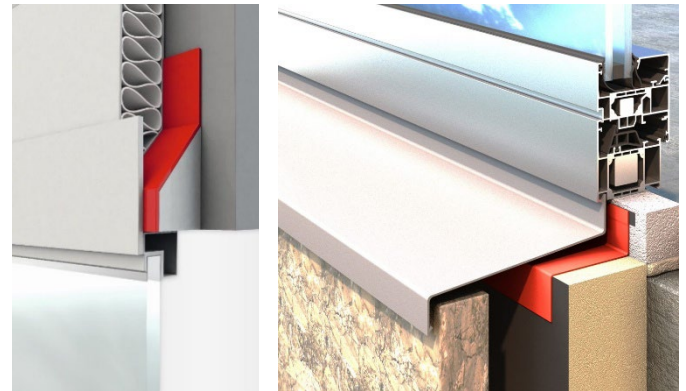
### PROPERTIES

- Flame-retardant (B-s2, d0 in acc. with DIN EN 13501)
- Vapor-permeable (sd value: < 1 m)
- Immediately water-, driving rain- and airtight
- UV-, weather- and bitumen-resistant
- No need for additional mechanical fastening
- Neatly mouldable to the substrate, therefore easy and efficient application
- Flexible even at low temperatures; can be applied down to -5 °C
- EMI CODE EC 1 PLUS certified
- Available on request: Product and manufacturer's declarations according to DGNB, LEED and BREEAM



### POSSIBLE USES

- Vapor-permeable and flexible sealing on the external side (weatherproofing level)
- For sealing connections between facade element and building shell against water and driving rain; for ensuring controlled water drainage
- For providing protection against moisture and enabling diffusion of residual construction moisture from the functional/insulation level to the outside
- Can be pre-installed on the frame/profile due to very high movement absorption and tear resistance



### SUBSTRATE PREPARATION

Clean the substrate before fixing the sealing strip. 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 shrinkholes 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.

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.

At low temperatures and damp substrates, Teroson PR Primer M+S is well suited for this purpose (meets the requirements of DGNB, LEED and BREEAM).

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

#### Installation of self-adhesive Teroson FO 2 with KDS FR

The sealing strip is bonded to both the building structure and to the frame/profile, using Teroson AD KDS FR. Apply strands of Teroson AD KDS FR to the substrate using either a manual or a compressed air gun (pressure 0.5 to 5 bars).

Afterwards, press the sealing strip into the adhesive paste while it is still fresh and skin-free. Roll the strip over with a pressure roller. are carried out. We recommend a bonding widths of  $\geq 20$  mm on the frame profile, on the building structure though, an adhesive widths of  $\geq 40$  mm. However, it is possible to reduce the width on smooth, clean, load-bearing substrates after 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. Press the strips firmly down, especially in overlapping and edge areas, using the hard rubber roller.

Where sealing strips overlap, they must be fixed on top of each other over a width of  $\geq 40$  mm. Additional mechanical fastening of TEROSON sealing strips is generally not required. Very uneven substrates must be levelled by applying an additional layer of TEROSON AD KDS FR. The consumption is approx. 8-12 m/600 ml tubular bag. If the sealing strip needs to be fixed spotwise, e.g. on insulation wedges and other insulation materials such as EPS, we also recommend using TEROSON AD KDS FR.

Before connecting TEROSON FO 2 FR sealing strips to other types of strips/membranes, please consult our Technical Service Department.

## 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.

## CERTIFICATES



## TECHNICAL DATA

### TEROSON FO 2 FR

Colour:	Grey
Sealing strip thickness:	Appx. 0.3 mm
Fire resistance: (DIN EN 13501-1)	Class B-s2, d0
Watertightness: (DIN EN 1928)	3 bar / 72 h $\pm$ 30 mW
Sd-value (DIN EN ISO 12572):	< 1 m
Resistance to air permeability: (DIN EN 12114)	provided
Tensile strength in N/50 mm: (MD & TD / DIN EN 12310-1)	350 / 330
Tear resistance in N: (MD & TD / DIN EN 12310-1)	170 / 180
Dimensional stability in %: (MD & TD / DIN EN 1107-2)	Ca. -0,4 / $\pm$ 0,1
Temperature resistance:	-40 °C to +100 °C
Application temperature:	-5 °C to +35 °C
UV resistance: (DIN EN 13589-2)	> 5 years
Bitumen compatibility:	provided
Roll dimensions:	Length: 25 m; Width: 150, 250, 350, 500, 1000 mm other widths upon request

## STORAGE

TEROSON FO 2 FR can be stored in a cool and dry place for a period of 24 months.

## DISPOSAL

The outer cartons of TEROSON FO 2 FR are disposed of at a waste-paper 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): 080410

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.