



Non-combustible, vapor barrier, waterproof, sealing system for indoor use with innovative PSA - Technology

PROPERTIES

- **Non-combustible** (A2-s1, d0 in acc. EN 13501-1)
- Vapor-tight (sd value: > 1500 m)
- Immediately water-, driving rain- and airtight
- UV-, weather- and bitumen-resistant
- Equipped with self-adhesive strip (SK1) - one-sided based on **innovative PSA-technology**
- Adhesion even on wet window profiles
- No need for additional mechanical fastening
- Even at low temperatures, can be applied down to -5 °C
- EMICODE EC 1 PLUS certified
- Available upon request: Product and manufacturer's declarations according to DGNB, LEED and BREEAM

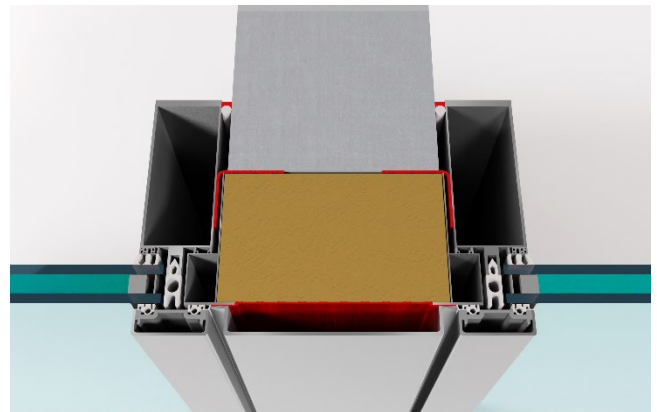
POSSIBLE USES

- Vapor diffusion-tight sealing of connecting joints between the facade element and the building against water, water vapor and convection on the internal and external (warm side) of the building
- For sealing of concrete joints in rear ventilated, thermally insulated facades
- For providing protection against condensation formation in the insulation of rear-ventilated facades
- Sealing of vertical and horizontal surfaces in walls and ceilings (warm component side), stud frame and post-beam constructions

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 FACADES / WINDOWS

Installation of self-adhesive Teroson FO 1500 FR SK1

After removing the 30 mm wide release film, the sealing strip can be fixed cleanly and efficiently to the profile / building substrate. Press the sealing strip firmly down with a Teroson hard rubber roller so that it cannot slip when the next steps are carried out.

In the next step, the SK 1 version is bonded to the building structure using Teroson AD KDS FR adhesive paste. Apply

strands of the system adhesive 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. We recommend a bonding width of ≥ 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 ≥ 50 mm. The TEROSON PS 112 FR double-sided adhesive tape in a width of 25 mm is best suited for this purpose. 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.

Before connecting TEROSON FO 1500 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.

PLEASE NOTE

During processing, the foil must not be exposed to any additional mechanical or physical stress. In particular, avoid pulling it over sharp edges, walking on it or subjecting it to stress by leaning other components or materials against it. Even after processing, it is not intended for use under normal mechanical stress.

TECHNICAL DATA

TEROSON FO 1500 FR

Colour:	black
Sealing strip thickness:	Appx. 0.16 mm
Fire resistance: (DIN EN 13501-1)	A2-s1, do
Watertightness: (DIN EN 1928)	W1 (2 bar / 24 h \triangleq 20 mW)
Sd-value (DIN EN ISO 12572):	> 1500 m
Resistance to air permeability: (DIN EN 12114)	provided
Tensile strength in N/50 mm: (DIN EN 12310-1)	≥ 700
Tear resistance in N: (MD & CD / DIN EN 12310-1)	$\geq 150 / 130$
Dimensional stability in %: (MD & CD / DIN EN 1107-2)	Ca. 0,14 / $\pm 0,1$
Cold bending behavior:	-40 °C passed
Application temperature:	-5 °C to +35 °C
UV resistance: (DIN EN 13589-2)	> 5 years
Bitumen compatibility:	provided
Roll dimensions:	L: 25 m W: SK 1: 150, 300, 500, 700 mm Width w/o SK1: 1200 mm

STORAGE

TEROSON FO 1500 FR can be stored in a cool and dry place for a period of over 24 months.

DISPOSAL

The outer cartons of TEROSON FO 1500 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

CERTIFICATES



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.