



Multi-functional, precompressed, acrylate-impregnated PUR sealing tape for the 3-level sealing of window and door connections

PROPERTIES

- 3-level sealing with just one product
 - Inner level: airtight and vapor-retarding*
 - Middle level: thermal and acoustic insulation*
 - Outer level: driving rain-tight and vapor-permeable*
- Vapor diffusion gradient of 50:1 (from inside to outside)
- Easy and efficient application
- Installation independent of the weather
- Suitable for passive house construction
- EMICODE EC 1 PLUS certified
- Available on request: Product and manufacturer's declarations according to DGNB, LEED and BREEAM



POSSIBLE USES

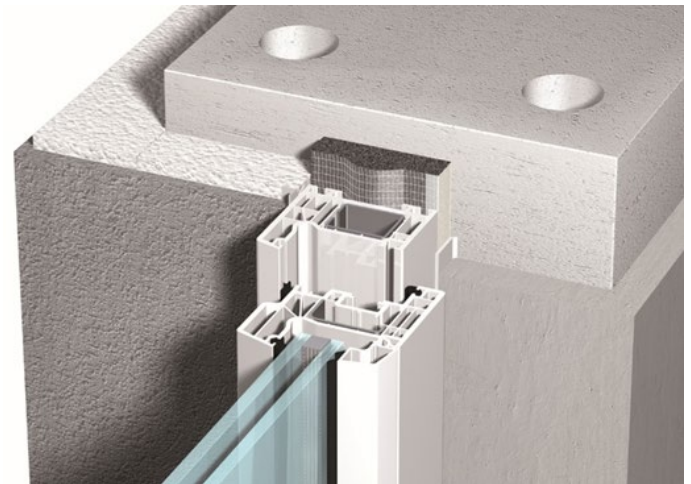
- 3-level sealing of window and door connections
- External sealing of joints against wind, dust, driving rain and splash water with buildings of up to 100 m height
- Protection against convection heat losses and structural damage caused by condensation; allows entrapped building moisture to diffuse from the functional/insulation level to the outside
- Heat and sound insulation of joints

SUBSTRATE PREPARATION

Clean the substrate before fixing the sealing tape. 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. The building substrate should be smooth and even. In the case of permeable substrates, e.g. coarse-pored exterior walls but also brickwork, it is usually necessary to apply a standard render (smooth trowel finish).

APPLICATION

Prior to installation, determine the joint width and choose the appropriate tape size to meet the tolerances specified in this Technical Data Sheet. Furthermore, determine the required tape length based on the individual sides of the window frame. Allow for an expansion reserve and for additional tape when molding the tape into the corners (add approx. 2 cm for each corner).



Peel off the leader strip, starting from the airtight edge of the tape. After that, quickly start installation of the tape. Pull off the release paper and fix the self-adhesive strip on the frame/profile. We recommend pressing the tape down by hand or spatula to the component or structural element. Butt-join the beginning and end of the tape with a material excess of approx. 1 cm.

When running Teroson PT 1000 around the perimeter of the window frame, start by fixing the tape on the upper side. When not running the tape around the perimeter but butt-joining the tape lengths in the corners, start by fixing the tape on the lower side of the frame.

In the corners, form loops with Teroson PT 1000 (the loops should be directed towards the miter joints of the window).

When forming the loop, take care that the bonding area of the tape corresponds to 2/3 of the joint width (example: with a joint width of 15 mm, the bonding area of the tape must be 10 mm). As an alternative to forming loops, it is also possible to butt-join the tape in the corners.

Lengths of TEROSON PT 1000 tape can be butt-joined without problems, provided that the tape ends have been carefully cut off (straight cut). Make sure that the butt joints are flush and fit accurately. The two tape ends must be joined with a material excess of approx. 1 cm. After installation, corners and butt joints must be sealed with a TEROSON sealant.

PLEASE NOTE

Immediately after finishing the sealing work, tightly close the opened tape rolls with the leader strip. Afterwards, weigh the rolls down and store them in a cool place. This prevents expansion or telescoping of the tape.

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

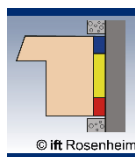
TEROSON PT 1000 can be stored for 24 months in a cool and dry place: Storage temperature: +1 °C to +20 °C.

DISPOSAL

The outer cartons of TEROSON PT 1000 are disposed of at a wastepaper collection point or at municipal waste collection points. Tape residues must be disposed of as industrial waste/construction site waste.

European Waste Code (EWC): 080410

CERTIFICATES



TECHNICAL DATA

TERSON PT 1000

Material base:	Acrylate-impregnated PUR soft foam
Color:	Black
Classification acc. to DIN 18542:	Stress group BG 1 / BG R
Airtightness: (DIN EN 12114)	$a = 0.00\text{m}^3/[\text{h}\cdot\text{m}\cdot(\text{daPa})\text{n}]$
Driving rain tightness of joints and cross joints (DIN EN 1027):	$\geq 1050 \text{ Pa} / \text{BG 1}$
Temperature change resistance: (DIN 18542)	-30 °C to +80 °C
Light and weather resistance: (DIN EN ISO 4892-2)	Stress group BG 1
Compatibility with adjacent building materials (DIN 18542):	Meets the requirements of the standard
Dimensional tolerance: (DIN 7715 T5 P3)	Meets the requirements of the standard
Thermal conductivity: (DIN EN 12667)	$\lambda = 0.046 \text{ W}/(\text{m}\cdot\text{K})$
U value window construction depth in mm (DIN 4108-3):	60 / U = 0.8 W / (m ² • K) 70 / U = 0.7 W / (m ² • K) 80 / U = 0.6 W / (m ² • K)
Sd value: (DIN EN ISO 12572):	Inside: $\geq 25 \text{ m}$ Outside: $\leq 0.5 \text{ m}$
Sound insulation:	45 dB in a 10 mm joint
Fire resistance: (DIN 4102)	Class B2
Roll dimensions	
Length = 30 m Widths in mm:	Tape widths: 64 / 74 / 82 Joint widths: 2-10 / 2-12 Window construction depths: 70 / 80 / 90
Length = 20 m Widths in mm:	Tape widths: 64 / 74 / 82 Joint widths: 3-15 / 3-18 Window construction depths: 70 / 80 / 90
Length = 12 m Widths in mm:	Tape widths: 64 / 74 / 82 Joint widths: 5-30 Window construction depths: 70 / 80 / 90

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.