

**Self-adhesive, vapor-impermeable butyl-rubber sealing tape equipped on one side with a plastic-aluminum composite strip**

## PROPERTIES

- Self-adhesive
- Weather- and aging-resistant
- Resistant to screw penetration
- Vapor-tight, high sd-value > 1000
- Waterproof
- Very high tear propagation resistance
- Bitumen-compatible, UV-resistant
- Complies with DIN 4102 B2
- For indoor and outdoor use

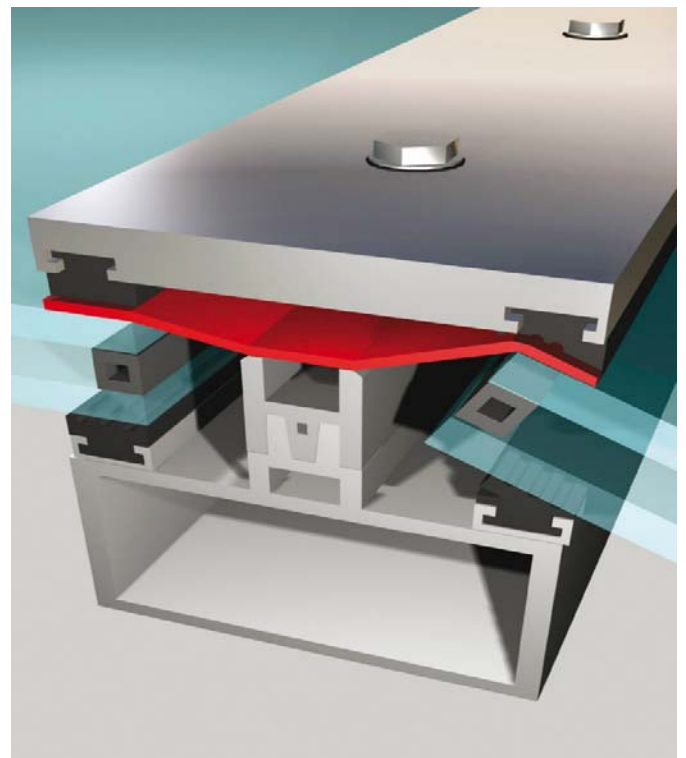
## POSSIBLE USES

TEROSON TA ALU is used as a sealing tape in air-conditioning and ventilation systems, in the construction of conservatories, in aluminum and metal construction (parapet copings, window connections, post-and-beam constructions) and as a multi-purpose sealing and repair tape.

The tape consists of a self-adhesive, elastoplastic butyl-rubber compound, backed on one side with a tearproof plastic-aluminum composite strip. Due to its high diffusion resistance value, TEROSON TA ALU can also be used as a vapor barrier.

## SUBSTRATE PREPARATION

The substrates must be dry, load-bearing, solid and free of oil or grease. TEROSON TA ALU adheres without primer on smooth, non-absorbent substrates, e.g. aluminum, sheet zinc, polyester, glass, acrylic glass (plexiglass), polycarbonate (Makrolon longlife), roofing membranes based on bitumen, ECB, EPDM, PIB, CR, TEROSON FO SD 150 M+S, TEROSON FO KSK M+S and others. Absorbent, mineral substrates like concrete, plaster, masonry, fibrous cement and porous concrete must be pretreated with TEROSON PR PRIMER M+S. When sealing PVC roofing membranes, it is necessary to apply a plasticizer barrier. With other plastic materials, please contact our advisory service or carry out your own tests.





## APPLICATION

After removing the release paper, apply TEROSON TA ALU to the substrate and press it carefully down. Optimum adhesion between tape and substrate is achieved by pressing the tape down with a hard rubber roller. The tape is resistant to weather and aging. During application, the substrate must be dry, load-bearing, solid and free of oil and grease. If the sealed component or area is subject to high stresses, e.g. direct weather exposure, make sure to avoid permanent exposure to water, especially with rough surfaces.

## TECHNICAL DATA

### TEROSON TA ALU

Material base:	butyl-rubber compound, on one side equipped with a plastic-aluminum composite strip
Color (adhesive compound):	black
Color (aluminum strip):	silver, silk-matt
Thickness:	0.9 – 1.1 mm
Temperature resistance:	-30 °C to +80 °C (at lower temperatures, the compound becomes more viscous and less tacky; at higher temperatures softer and tackier)
Application temperature:	+5 °C to + 40 °C
Fire behavior: (DIN 4102-1)	building material class B2
Water vapor diffusion resistance:	approx. 900 m
Mechanical properties:	self-adhesive, flexible, vapor-tight, resistant to tear initiation, high bonding power
UV-resistant:	yes

## PLEASE NOTE

Due to changing conditions on site, we cannot recommend using TEROSON TA ALU sealing tape for overhead application without additional mechanical fastening.

At lower temperatures, the adhesive compound becomes more viscous and less tacky. At higher temperatures, it becomes softer and tackier. In post-and-frame window constructions choose such a width that the EPT sealing lips do not exert pressure on the sealing tape. Use TEROSON TA ALU only in dry

conditions and at temperatures of +5 °C to +40 °C. All data given was obtained at a temperature of +20 °C and 60 % relative humidity.

## CLEANING

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

## PACKAGING

### TEROSON TA ALU

Roll length 28 m:	Roll length 25 m:
40 x 0.9 mm	90 x 1.1 mm
45 x 0.9 mm	100 x 1.1 mm
50 x 0.9 mm	120 x 1.1 mm
60 x 0.9 mm	150 x 1.1 mm
75 x 0.9 mm	180 x 1.1 mm
	300 x 1.1 mm

## STORAGE / SHELF LIFE

Danger of frost damage:	no
Storage temperature:	+10 °C to +25 °C
Shelf life:	approx. 24 months in a cool and dry place

## 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 tape must be disposed of as industrial waste or 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 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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