

# TS Aluminium Fixing Tape

## Terostat Aluminium Fixing Tape

TextSelf-adhesive, vapour-tight butyl-rubber sealing tape  
laminated on one side with a special aluminium composite film

### PROPERTIES

- Self-adhesive
- Highly resistant to screw penetration
- Impermeable to water vapour, high sd-value
- Waterproof
- Extremely high tear resistance
- Bitumen-compatible, UV-resistant
- Meets the requirements of DIN 4102 B2
- For indoor and outdoor use

### USES

Terostat Aluminium Fixing Tape is used for sealing air-conditioning and ventilation systems, conservatories, aluminium and metal constructions (parapet copings, window connections, post-and-beam constructions). It can also be used as a universal repair and sealing tape.

The tape consists of a self-adhesive, elastoplastic butyl-rubber compound, laminated on one side with a tearproof plastic-aluminium composite film. Due to its high diffusion resistance factor, the tape can also be used as a vapour barrier.

### SUBSTRATE PREPARATION

The substrate must be load-bearing, solid, dry and free of oil or grease. Terostat Aluminium Fixing Tape adheres without primer on smooth, non-absorbent substrates, e.g. aluminium, sheet zinc, polyester, glass, acrylic glass (plexiglass), polycarbonate (Makrolon longlife), bitumen-based roofing membranes, ECB, EPDM, PIB, CR, Terofol sealing strips M+S and others.

Absorbent, mineral substrates like concrete, plaster, masonry, fibrous cement, cellular concrete and similar materials should be primed with Terotech Primer M+S.

When installing and sealing PVC roofing membranes, we recommend pretreating the PVC surface with Terokal 914 contact adhesive. When using other plastic materials, please contact us for advice or carry out your own preliminary tests.

### APPLICATION

After removing the release paper, apply Terostat Aluminium Fixing Tape to the substrate and carefully press it down. Even better adhesion is achieved when using a pressure roller.

### PLEASE NOTE

Due to the changing conditions on site, we cannot recommend Terostat Aluminium Fixing Tape for overhead applications without additional mechanical fastening.

At cold temperatures, the adhesive compound becomes more viscous and less tacky whereas it becomes softer and tackier at warm temperatures. When sealing post-and-beam constructions, make sure to choose the proper width of sealing tape so that the EPDM sealing lips of the fixing profile do not press down on the sealing tape.

Use Terostat Aluminium Fixing Tape only in dry conditions and at temperatures of +5 °C to +40 °C. All data given in this technical data sheet was obtained at a temperature of +20 °C and 60 % relative humidity

### STORAGE

Danger of frost damage:  
Storage temperature:  
Shelf life:

no  
+10 °C to +25°C  
approx. 24 months in a  
cool and dry place

### PACKAGING

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

## DISPOSAL

Dispose of or recycle the product/packaging according to the local regulations.

## TECHNICAL DATA

Material base: butyl-rubber compound, laminated on one side with a plastic-aluminium composite film:

Colour of the aluminium surface: silver, semi-matt

adhesive compound: black

Thickness: 0.9 - 1.1 mm

Mechanical properties: self-adhesive, flexible, vapour-tight, tear-resistant, high adhesive strength

Temperature resistance: -30 °C to +80 °C (at cold temperatures the compound becomes more viscous and less tacky, at warm temperatures softer and tackier) :

Application temperature: +5 °C to +40 °C

Diffusion resistance factor:  $\mu = 600,000$  (DIN 53 122)  
Test Certificate no. 58 204 by the FMPA Baden-Württemberg:

Diffusion-equivalent air layer thickness (sd-value): approx. 900 m

Fire behaviour: building material class B2  
acc. to DIN 4102, part 1

UV-resistant:: yes

Should you have any questions, please consult our advisory service.

Technical Hotline Facades:  
Phone 0211 / 797 4753  
Fax 0211 / 798 3869

Technical Hotline Windows:  
Phone 0211 / 797 106 50  
Fax 0211 / 798 3869

The above information, in particular recommendations for the handling and use of our products, is based on our professional knowledge and experience. As materials and conditions may vary with each intended application and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for the intended application method and use. Legal liability cannot be accepted on the basis of the contents of this technical data sheet or any verbal advice given unless there is evidence of wilful intent or gross negligence on our part.

This technical data sheet supersedes all previous editions relevant to this product.

Please refer to our safety data sheet for hazard warnings, safety advice and information on transport labelling

Apart from the information given in this technical data sheet, it is also important to observe the applicable guidelines and regulations of various organizations and trade associations as well as the relevant standards of the German Standards Institute (DIN).

All technical data was obtained at an ambient and material temperature of +23 °C and 50 % relative humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

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