

Technical data sheet

Fradiflex special sealing tape

Product description:

Fradiflex special sealing tape consists of a highly adhesive butyl rubber material with a separating layer made of silicone paper which is adhesive-repellent on both sides.

Fradiflex special sealing tape is free of solvents and does not contain halogen or heavy metal compounds. Fradiflex special sealing tape is used for coating metal waterstops.

Fradiflex special sealing tape is also used in building construction for the sealing tight of foils and other air tightness layers in roofs against wind and vapour diffusion in compliance with DIN 4108 part 7.

Technical data:

Backing material	PP network
Thickness of backing material	approx. 0.1 mm
Overall thickness (without separating layer)	approx. 1 mm
Tear strength (DIN EN 14410)*	≥ 70 N / 25 mm
Elongation at tear (DIN EN 14410)*	approx. 15 %
Separating layer	silicone paper
Adhesive type	butyl rubber
Water resistance	permanently resistant
Age resistance	very high
Not resistant to	oils, many organic solvents (e.g. petrol)
Peel adhesion (IPM 5009)**	≥ 15 N / 25 mm
Tack	very high
Temperature range	-30 °C to +80 °C (+41 °F to +77 °F) The adhesive material becomes softer and more adhesive with increasing temperature and harder with decreasing temperature
Performance temperature	+5 °C to +40 °C (+41 °F to +77 °F)
Tape widths	50 mm and 100 mm
Roll length (standard)	15 m
Inner core diameter	76 mm
Colour of butyl rubber	black
Storage	+5 °C to +25 °C (+41 °F to +77 °F)

* According to the respective DIN standard ** At 100 mm/min, 90° peel

Notes on handling the material:

All surfaces must be dry and uncontaminated by dirt, dust, grease and oil, etc. Porous surfaces must be sufficiently primed with adhesive primer before attempting adhesion of the tape.

Fradiflex special sealing tape should not be applied using mechanical force.

The sealing tape should be pressed in position by hand and applied in such a way that it is not placed under tension. For increased adherence, press on more strongly. Compatibility of Fradiflex special sealing tape with rubber and plastic materials must be checked in advance due to possible movements of plasticisers.

Storage:

12 months from the date of manufacture at a max. of +25 °C (+77 °F), protected from humidity.

Safety:

Keep out of the reach of children. If in doubt, consult safety data sheet.

This Installation Guideline is a condensed description of factors having a direct effect on the performance of the Fradiflex special sealing tape and is based on the present state of the art. It may be necessary to alter these recommendations, as more information becomes available. Correct use is the responsibility of the user, if in doubt please consult your local supplier. The German version of this legal notice is legally binding. The English translation is only for a better understanding.