

TECHNICAL DATA SHEET

Soba FlamLINE®

Material description

The elastomer material is based on a butyl material with low gas permeability, good resistance to heat, cold, oxygen and ozone, very good ageing resistance, very good long-term heat resistance (up to +90°C) and very good flexibility at low temperatures (down to -40°C). Furthermore, the butyl is resistant to alkalis, diluted acids and salt solutions, to water and water vapour, and to polar solvents such as alcohol and ketones. Its resistance to non-polar plasticisers and solvents such as mineral oils, petrol, fuels and aromatics such as toluene is low. Constant contact with these materials should be avoided.

Typical applications

The expansion joint tape is used to bridge 3-dimensional joint movements in bitumen seals and between building components. The lateral adhesive flanges are scorched into the bituminous seal using the sandwich method. Depending on the installation scenario, FlamLINE can also be force-fitted directly to the substrate with epoxy resin adhesive or liquid plastic.



Technical details

Features	Unit	Test standard	Test values
Elastomer base		ISO 1629	IIR
Colour			Yellow/black
Density	g/cm ³	DIN EN ISO 1183-1	1.47 - 1.51
Hardness	Shore A	DIN 53 505	55
Tensile strength	N/mm ²	DIN 53 504	> 5
Elongation at break	%	DIN 53 504	> 600
Tear resistance	N/mm	DIN 53 507	> 8
Water vapour permeability at thickness of 2.6 mm	g/m ² x day my value	Based on DIN 53122	0.16 approx. 270,000
Fire behaviour		DIN EN 13501-1	Building material class E

General test certificate issued by the building authorities:

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Delivery form

Continuous tape as a ready-made system, including all moulded parts

Material thicknesses

2.0 / 3.0 mm, depending on the tape type