

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 three-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	Specific values	Test standard
Elastomer base		IIR	ISO 1629
Colour		Yellow/black	
Hardness	Shore A	55	DIN 53 505
Tensile strength	N/mm ²	> 6	DIN 53 504
Elongation at break	%	> 700	DIN 53 504
Tear resistance	N/mm	> 10	DIN 53 507
Water vapour permeability at thickness of 2.6 mm	g/m ² x day my value	0.16 approx. 270,000	Based on DIN 53122
Fire behaviour		Building material class E	DIN EN 13501-1

General test certificate issued by the building authorities:

P-SAC 02 / 5.1 7 16-336 vom 11 / 01 / 2018

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