

## 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, Roof-Pro's Expansion Joints 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			Red/Black
Density	g/cm <sup>3</sup>	DIN EN ISO 1183-1	1.47 - 1.51
Hardness	Shore A	DIN 53 505	55
Tensile Strength	N/mm <sup>2</sup>	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 2.6mm	g/m <sup>2</sup> 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:

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 thickness:

2.0 / 3.0 mm, depending on the tape type