TECHNICAL DATA SHEET

Soba Expansion joints

Material description
Elastomer based on EPDM material with high resistance to heat, cold, oxygen and ozone as well as very high aging as well as long-term heat resistance (up to +90°C) and flexibility at low temperatures (down to -40°C).

However, the material only has low resistance to non-polar plasticisers and solvents such as mineral oils, gasoline, fuels, and aromatics such as toluene. Constant contact with these media should be avoided.

Typical applications
Soba expansion joints are installed between sheet-metal building components such as angle plates and inflow sheets as well as inset, box and mounted gutters to absorb and compensate for thermal expansion and contraction. Expansion ranges may vary depending on the material used. A variety of expansion joint types such as endless and head elements are available in various materials for different types of construction sheets.

Technical details (expansion zone)

Features	Unit	Test standard	Test Values	
			Rubber, grey	Rubber, black
Density	g/cm³	DIN E53479	1.23 +/- 0.02	1.19 +/- 0.02
Hardness	Shore A	DIN 53 505	58	57
Tensile strength	N/mm²	DIN 53 504	13.5	14.0
Elongation at break	%	DIN 53 504	775	785
Tear resistance	N/mm	DIN 53 507	14.0	14.5
Tension value at 300%	N/mm	DIN 53 504	2.7	2.8

Comment: These values are typical measured values, not minimum values determined using standardised test specimens.

Material thickness
- Copper 0.60 mm
- Stainless steel 0.50 mm
- Titanium zinc, natural 0.70 mm
- Titanium zinc, pre-weathered 0.70 mm
- Uginox Patina K41 0.50 mm
- Uginox Top 304 0.50 mm
- MattpluS 0.50 mm
- Galvanised steel 0.62 mm
- Aluminium 1.20 mm

Other materials and thicknesses available on request.

Product
- Endless elements (uncovered or covered)
- Single-head elements (uncovered or covered)
- Double-head elements (uncovered or covered)
- Gutter elements (angular, semi-circular, seamed gutter)

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