

Technical Data Sheet

Product Details

Foam Joint is a light-weight closed-cell polyethylene foam. It is a non-fibrous and non-hazardous material. Due to its closed-cell structure, it is non-absorbent with excellent compression resistance.

Application

Foam Joint is specifically designed to act as a joint filler in concrete slabs, allowing the concrete to expand and contract with changes in the weather. At 10mm from the edge, the top and bottom of the removable strip is 80% pre-cut through in thickness. An expansion joint strip is permanently positioned between concrete slabs. Once concrete has cured, the removable strip can conveniently be torn off and hence provide a uniform groove for sealant.

Foam Joint is ideal for highways, streets, walkways, driveways, floor slabs, packing decks, single & multi-level floor slabs etc.

Special Features

Foam Joint has excellent UV resistance and will not support growth of fungi and mould. It is unaffected by most acids, alkalis, alcohols, detergents and petrochemicals.

- Economical & easy to install
- Durable
- Pre-cut strip is easily removed
- Suitable for interior & exterior application
- Avoid wastage – cut to required size on the field
- Light-weight

Environmentally and User Friendly

Foam Joint is produced without the use of CFC, HCFC or HCs and is free of cadmium, lead stabilisers, inorganic substances and other heavy metals. Foam Joint does not emit dust or fibre particles so protective clothing is not required during installation.

Water Absorption

Foam Joint is a closed-cell foam and will absorb only negligible moisture (less than 3% by volume after 28 days – DIN53433).

Easy to Use

Foam Joint is light-weight and can be easily cut with a sharp knife.

Available Sizes

Foam Joint comes in standard roll size of 25m in length and 10mm thick. Various widths are available 50, 75, 100, 125, 150, 200, 250 & 300mm. Other thicknesses and widths available to order.



Toxicity

The smoke developed by Foam Joint during combustion will contain mostly Carbon Dioxide (Toxicity Index 6.6 – NES 713-1985).



Expansion Joint Formwork Material

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PROPERTIES		METHOD	UNIT	VALUE
Density		ISO 845	Kg/m ³	25
Tensile Strength	longitudinal	ISO 1798	Mpa	0.21
	transversal		Mpa	0.16
Elongation at break	longitudinal	ISO 1798	%	90
	transversal		%	105
Compression stress strain at deflection	10%	ISO 3386	KPa	13
	25%		KPa	33
	50%		KPa	91
Tear Strength	longitudinal	DIN 53507	N/mm	0.6
	transversal			0.6
Operating Temperature Range:				
Bending Test		DIN 51949	°C	-40
Dimensional Stability		DIN 53431	°C	95
Compression set (22h, 25%, 23°C) after compression release	0.5h	ISO 1856	%	<15
	24h		%	<8
Thermal Conductivity	0°C	DIN 52612	W/mk	app.0.038
	23°C		W/mk	app.0.042
	40°C		W/mk	app.0.045
Water absorption after 28 days		DIN 53433	Vol %	<3

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