

FloorBridge® SM 45 / 120 / 150 / 200 / 400 / 700

Sealing membrane



Description

Supersoft-Monoflex high performance sealing band / membrane

Material composition

Modified thermoplastic elastomer

Application

For sealing under FloorBridge® joint profiles for dilatation, building separation and construction joints in interior and exterior areas. The bonding is done with the system adhesive of the FloorBridge® Connect-series 01/03/04/20.

Product details

Colour	grey
Available widths	approx. 45 mm / 120 mm / 150 mm / 200 mm / 400 mm / 700 mm
Thickness	approx. 1,0 mm
Shore-A-hardness	approx. 76
Roll length SM 150 + SM 200	40 m
Roll length SM 400 + SM 700	20 m
Roll length SM 45	60 m

Physical values (approx.)	DIN	Value
Burst pressure	Internal	≥ 2 bar
Tear resistance - lengthwise	DIN EN 12311-2 Method B	9,0 N / mm ²
Tear resistance - across	DIN EN 12311-2 Method B	8,0 N / mm ²
Elongation at break - lengthwise	DIN EN 12311-2 Method B	565 %
Elongation at break - across	DIN EN 12311-2 Method B	600 %
Water vapour permeability	DIN EN 1931 Method B	45 m
Tear resistance lengthwise / across	DIN EN 12310-1	225 N / 225 N
Water tightness	DIN EN 1928-A-60 kPa/24 Std.	watertight
	DIN EN 1928-B-400 kPa/72 Std.	watertight



Chemical Resistance

to Hydrochloric acid, Sulphuric acid, Citric acid, Lactic acid, Potassium hydroxide, Sodium hypochlorite, Salt water and further substances

Approval

CE-Marking according DIN EN 13967

Storage conditions / Shelf life

maximum of 12 months – it is essential that goods are kept in the original packaging, keep cool and dry, protect against sunlight.

Application instructions

Adhesion of the band

Only a clean, undamaged, defect-free sealing band FloorBridge® SM may be installed. A foam profile (edge strip. Round cord) must be inserted into the existing joint in the substrate to ensure continuous positive or negative joint movement. Apply the FloorBridge® system adhesive of the Connect series, mixed according to the manufacturer's instructions, using a spatula or toothed trowel in both sides along the joint.

Insert the FloorBridge® SM band within the open time of the adhesive and press it firmly into the adhesive using a suitable roller. Take care that no air pockets are created. In the middle of the sealing tape (above the joint), the expansion zone of the sealing tape must be exposed (not glued and free of all adhesive residues) to ensure a movement capability. The area of movement can be cleared by applying a standard masking tape (painter's masking tape).

When bonding SM sealing tape with Connect 20, ensure that the tape (except for the expansion zone) is fully covered on both sides.

(This is particularly important in the upward pull area).

Band joints

Bands are joined by thermal welding using hot air and pressure (hard rubber roller). The weld seams must be roughened with sandpaper (80 grain) before welding and then cleaned dust-free. Only roughen weld seams and then clean them dust-free, otherwise the remaining grinding dust could impair the bonding.

Overlap at least 10 cm in case of band connections, T-pieces, L-pieces or similar and welding with hot air blower with 340°C and 1.500 watt.

Attention: The temperature of 340°C and the correct time of bonding must followed exactly!

Details such as band connection, gluing of the joint profile on sealing membrane

See installation tutorial.

Value Base

All technical data stated in this product data sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Ecology, health and safety information (REACH)

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 REACH). It contains no substances, which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product onto the market, to transport or use it. For safe use follow the instructions given in this product data sheet.

Based on our current knowledge, this product does not contain any SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list by the European Chemical Agency in concentrations above 0.1 % (w/w).

Legal Notes

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