Technical Data Sheet

weber.tec Superflex B 240 - B 400

Joint sealing tapes

Joint sealing tapes for movement and building separation joints in earth-contacting areas in combination with Weber waterproofing bitumen coatings and reactive coatings

Fields of application

Joint sealing tape for waterproofing movement joints and building separation joints, mainly in earth-contacting areas, in combination with all **Weber** 2-component bitumen waterproofing thick-layer coatings (PMBC – polymer-modified thick bitumen coatings) weber.tec 922, Superflex 10, Superflex 100 S and Superflex 2 K and the 2-comp. reactive thick and quick-setting waterproofing coating weber.tec Superflex D 24.
When the tapes are welded together, difficult connections, such as stairs, can be safely waterproofed.
Furthermore, weber.tec Superflex B 400 is suitable for pouring into hot bitumen on the transition areas with bitumen thick coating and bitumen membranes, e.g. in earth-covered buildings. It is convenient for being bonded into hot bitumen or in connection with bitumen felts, for ex. on earth-contacting concrete ceiling slabs (for ex. above underground parking decks).

Description

weber.tec Superflex B 240 / B 400 are sealing tapes consisting of two parts: a stretching area of soft PVC and an adhesive area of polyester fleece welded on both sides.

Composition

Polyester, bitumen-compatible soft PVC

Main features

- laminated fleece on both sides
- high elongation
- high bonding performance on the waterproofing layer of main surfaces
- waterproof
- resistant to UV rays, weathering, diluted acids and alkalis
- tear-resistant

Technical values

Total width:	B 240: 240 mm; B 400: 400 mm
Width of central part:	B 240: 80 mm; B 400: 100 mm
Max. joint width:	B 240: 80 mm; B 400: 100 mm
Max. joint movement (B 400):	10 mm
Elongation at break:	≥ 250%
Tear resistance:	≥ 12 N/mm^2
Shore hardness A:	75
Temperature resistance:	-25°C - +80°C

Quality control

weber.tec Superflex B 240 / B 400 is subject to a regular quality control.

General notes

- When using epoxy resin glues such as weber.xerm 848, the polyester fleece must be primed with the epoxy resin primer weber.prim 807.
- Observe the **Weber** application tip "Basement waterproofing - New buildings - Waterproofing of structural joints".

Special notes

- If weber.tec Superflex B 400 is laid onto hot bitumen, the central tension zone must remain free of adhesive.

Working instructions

- After priming (weber.tec 901 or weber.prim 807) the sealing tape is installed flush with the waterproofing layer in the surrounding areas (main surfaces) and glued with the same waterproofing material (e.g weber.tec Superflex 10 or D 24), using a flat trowel.
- Apply the waterproofing material in a thickness of approx. 2 mm and in a width of approx. 20 - 30 cm on both joint sides.
- Lay the sealing tape with the wide fleece side facing the wall "wet-in-wet" and cover both fleece sides with the same waterproofing material in the appropriate layer thickness, so that the waterproofed joint sides are incorporated into the waterproofing layer of the main surfaces on walls.

- When gluing the tape, take care that the central PVC part as tensile zone remains free of adhesive.
- For expected large expansion movements, lay the tapes in an omega loop.
- Strip joints, mitres and connections (e.g the tying of end pieces) are obtained by thermal welding of the strips together.
- Before welding the PVC parts of the tapes use the thinner weber.sys 992 as cleaner.
- Weld the PVC parts together with the hot air device for sealing tapes at level 4 - 5, corresponding to a temperature of approx. 350°C to 450°C.
- In case of structural waterproofing works requiring a horizontal and vertical sealing of joints, it is advisable to apply the waterproofing material continuously from the horizontal concrete floor slab up to the wall surface in order to avoid unnecessary joints. In this case the narrower fleece side is turned to the concrete slab and the wider fleece side to the wall.
- In case of ground damp and non-pressure water use weber.tec Superflex D 24 for bonding the sealing tape on the concrete slab.
- In case of pressure water (negative pressure) apply a priming coat with the epoxy resin primer weber.prim 807 and the epoxy resin glue weber.xerm 848 for bonding the sealing tape on the concrete slab.

Practical information

Colour:
grey

Storage:
The product can be stored in its original unopened packaging, if protected from UV rays.

Consumption / yield

depending on joint size and detail points:	approx. 1.05 m/m

Packagings

Type	Sales unit	Remark
Roll	30 meters	B 400
Roll	30 meters	B 240

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.