

Mapejoint FB

Compressible, bitumen-impregnated, joint filler-board

WHERE TO USE

Mapejoint FB is used as a compressible, filler-board for forming expansion joints in cast in-situ and precast concrete construction.

Some application examples

Forming structural separation and expansion joints in concrete:

- between old and new structures.
- slabs for highways and airport runways.
- structures such as retaining walls and abutments.
- basement and underground structures.
- slabs for pedestrian traffic areas.
- floors of industrial buildings.
- forming panel joints in roofing protective screeds.

TECHNICAL CHARACTERISTICS

Mapejoint FB is a compressible, joint filler board manufactured from natural fibres and impregnated with bitumen to resist water absorption. It is supplied in a range of standard thicknesses to suit most common applications.

Mapejoint FB is characterized by high compressibility with minimal extrusion and excellent recovery. It is easy to handle, remains stable under temperature changes and severe environmental conditions, and the rough surface texture promotes good bonding with concrete.

RECOMMENDATIONS

- For sealing of joints, use an appropriate product from the **Mapeflex** range.
- Isolate sealants from **Mapejoint FB** either with bond-breaker tape or with foam backer rods.
- Do not store **Mapejoint FB** under wet conditions for long periods.

APPLICATION PROCEDURE

Mapejoint FB can either be installed to the full depth of the slab and subsequently cut back to suit the sealant detailing, or it can be measured and cut to size prior to installation with the sealant groove formed using timber beading.

For cast in-situ concrete, **Mapejoint FB** is fixed to the formwork prior to casting.

For suspended slabs, fix **Mapejoint FB** with nails to prevent displacement.

PACKAGING

Mapejoint FB is available in standard board sizes of 1.22 m x 2.14 m per piece.

STORAGE

Store **Mapejoint FB** in a dry place away from direct sunlight and sources of heat.

SAFETY INSTRUCTION FOR PREPARATION AND APPLICATION

Mapejoint FB is an article that does not require a Material Safety Data Sheet. When using this product we recommend wearing gloves and safety goggles, and to adhere to the safety guidelines for the area in which work is carried out.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as

merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

All relevant references for the product are available upon request and from www.mapei.com

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Nominal panel thickness (ASTM D1751, tolerance ± 1.6 mm)(mm):	10 12.5 20 25
Panel size (m):	1.22 x 2.14
Density (kg/cm ³)	315 \pm 10
Solid content (%)	100
Compression (to 50% of the specimen's original thickness, ASTM D1751) - stress applied (KPa): - loss in weight after application of stress (%): - extrusion (mm): - recovery 10 minutes after stress is removed (%):	2,400 – 2,700 ≤ 0.2 4 \pm 0.5 > 75
Water absorption (ASTM D1751):	< 11%
Compliance to Standards	US Federal Specification HH-F-341a:Type 1, Class B / American Association of State Highway Officials, Standard Specification M 153-154 / PSA Standard Specification Clauses for Airfield Pavement Works / DTp Specification for Highway Works, Dec 1991 series 1000 Clause 1015.



BUILDING THE FUTURE

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