

MAPEFLEX ASPHALT CRACK REPAIR FAST

Fast-setting two-component sealant for repairing cracks in bituminous pavements

DESCRIPTION

Mapeflex Asphalt Crack Repair Fast is a two-component quick-setting polyurea sealant for repairing cracks in bituminous paving.

WHERE TO USE

Mapeflex Asphalt Crack Repair Fast is used to repair cracks in bituminous conglomerate and concrete paving.

TECHNICAL CHARACTERISTICS

Mapeflex Asphalt Crack Repair Fast is a quick-setting product suitable for repairing cracks in paving that needs to be reopened as soon as possible to traffic.

Mapeflex Asphalt Crack Repair Fast is easy to cut after just 10 minutes of being applied.

Mapeflex Asphalt Crack Repair Fast withstands expansion in sealed cracks of up to 15%.

Mapeflex Asphalt Crack Repair Fast may be applied at temperatures of between -20°C and +50°C.

Mapeflex Asphalt Crack Repair Fast is resistant to hydrocarbons.

APPLICATION PROCEDURE

- **Mapeflex Asphalt Crack Repair Fast** is sensitive to water, so cracks to be treated must be clean and dry before being sealed.
- Make sure that any loose areas in the surface, oily contaminants and dirt in the cracks are removed before applying the product to ensure optimum adhesion.
- Before applying **Mapeflex Asphalt Crack Repair Fast** it must be conditioned by keeping it at a temperature of +15°C to +30°C for 24 hours.
- Shake component A to make sure it is evenly mixed.
- Attach the static mixer used to extract component A and component B to the end of the lance.
- Make sure the two components mix together correctly by discharging the first part of the mixed product into a bucket.
- Fill the crack to be repaired to 2/3 of its depth and, when it has settled and levelled off, fill the remaining 1/3 of the crack. The crack should be overfilled slightly so that the sealant in excess can be trimmed off level with the surface of the paving.
- Trim off any product in excess after a minimum of 10 minutes and up to 2 hours after applying the sealant.

CLEANING THE EQUIPMENT

Fresh adhesive can be cleaned off.

Once hardened, the product may only be removed mechanically. Any remaining quantities of components A and B should be mixed together and left to set and then disposed of according to local regulations.

STORAGE

Store **Mapeflex Asphalt Crack Repair Fast** in its original, sealed container away from sources of heat and direct sunlight at a temperature of +15°C to +35°C. Use the product within 12 months of manufacture.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.

PRODUCT FOR PROFESSIONAL USE

TECHNICAL DATA (typical values)

Laboratory test	Results	
	Component A	Component B
Consistency:	dark grey liquid	transparent yellow liquid
Density:	1 kg/l	1,13 kg/l
Viscosity:	1000 cPs	1800 cPs

Mechanical properties (sample of set product)	
Shore A hardness:	75-80
Extension – ISO 37:	> 400%
Tensile strength – ISO 37:	> 10 MPa
100% modulus – ISO 37:	4 MPa
Pull-off strength – ISO 34-1:	> 35 N/mm
Abrasion resistance – ASTM D4060*:	< 840 mg loss

* Using a H18 disk and 1000 g weight for 1000 cycles

APPLICATION DATA (at +23°C and 50% R.H.)	
Parameter	Results
Tack-free:	5 min.
Gel time:	1.5 min.
Set to traffic:	1 hour

Final cure:

after 7 days

A/B ratio:

1

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

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The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

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