

PREFLEX MMA

Rapid Cure Joint Sealant

DESCRIPTION

PREFLEX MMA is a two-component pourable rapid-cure joint sealant, based on methacrylate technology. When mixed the sealant is a fluid consistency making it suitable for application to horizontal joints. The sealant exhibits outstanding cure rates which allow for trafficking after 1hr @ 20°C. The sealant cures to form a tough sealant which is suitable for joints that are heavily trafficked and offer some degree of support to the joint arises to maintain the integrity of the joint. PREFLEX MMA also exhibits excellent bond characteristics to tarmac and asphalt.

USES

PREFLEX MMA is used to seal joints where exceptionally heavy vehicular trafficking occurs and where there is a requirement for an early return to service. Applications include heavy industrial environments and at extremely low temperatures.

ADVANTAGES

- Extremely rapid cure.
- Suitable for application at temperatures down to -30°C.
- Excellent resistance to chemicals.
- Highly abrasion resistant.
- Flexible but robust seal.

Property	Value
Colour	Light Grey
Pot life @ 20°C	25 minutes
Pot Life @ 10°C	40 minutes
Density	2.08g / cm ³
Compressive Strength	1 day @ 20°C: 80 MPa 7 days @ 20°C: 90 MPa
Flexural Strength	7 days @ 20°C: 36 MPa
Tensile Strength	7 days @ 20°C: 15 MPa
Temperature Range	During application: 5°C to +30°C In service: -20°C to +30°C

PROCEDURE

Surface Preparation: The substrate should be clean dry and free from dirt grease and other deleterious materials. Any contamination should be removed by grinding the faces of the joint. Metal surfaces should be free from rust and other contaminants. The joint filler board should be recessed to its suitable depth ensuring that the joint depth is no greater than 25mm wide, and typically no greater depth than the width of the joint. A bond breaking tape should be inserted to the top face of the recessed filler board, to prevent adhesion of the sealant to the sealer board. Masking tape may be applied to the side of the joint to create a neat finish.

Mixing: PREFLEX MMA is supplied as two-component pack consisting of the base component and the catalyst component. The entire components of the catalyst component should be emptied into the can which contains the base component, and it should be mixed thoroughly using a low-speed drill and paddle mixed, until a uniform consistency has been achieved. Upon completion of mixing the product should be immediately applied to the joint due to its rapid curing nature.

Priming: The joint faces should be primed using EPOPRIME MMA. Allow the PRIMER to dry for 1hr prior to application of the joint sealant.
Application: The mixed material should be used without delay, pouring into the prepared joint. The joint should be filled to within 3mm of the top face of the concrete.

Curing: PREFLEX MMA would have cured after 1hr @ 20°C to allow full trafficking. Full chemical resistance will be achieved after 48hrs @ 20°C.

Equipment Cleaning: Equipment should be cleaned immediately using PREMCRETE CLEANING SOLVENT.



Revision date: 23/1/23

PACKAGING & COVERAGE

Pack Size: PREFLEX MMA is supplied in a 4ltr pack.

Yield: A 4ltr pack is sufficient to seal a 10m x 20 x 20mm joint.

STORAGE & SHELF LIFE

PREFLEX MMA should be stored in dry, well-ventilated conditions, between 5°C and 30°C. PREFLEX MMA has a minimum shelf life of 12 months when stored in unopened containers.

HEALTH & SAFETY

PREFLEX MMA is flammable during application so adequate safety precautions should be taken. Please refer to material safety datasheet for more information.