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EPONITE MMA-P

Ultra-Rapid Cure Pourable Mortar

Property	Value
Colour	Light Grey
Pot Life @ 20°C	15-20 minutes
Hard Dry Time	1 hours @ 20°C
Full Cure	2 days @ 20°C
Density	2010kg /M³
Compressive Strength	74 MPa
Temperature Range	During application -30°C* to +40°C In service -40°C* to +50°C
*Supplied as a pre-accelerated grade	

DESCRIPTION

EPONITE MMA-P is a high strength, pourable, two component Methacrylate resin mortar, designed for rapid curing and permanent repairs to concrete and masonry. The mixed material is applied to a suitably prepared surface, and cures to form a durable, abrasion resistant repair.

USES

Eponite MMA-P can be used to repair spalled or damaged concrete, chemical bunds, bedding pre-cast concrete beams, nosing's on expansion joints, floor repairs, roadway repairs, etc. The product is particularly suitable for use where minimal downtime is permitted, where the ambient temperature is below 0°C, or in voids and joints where little or no movement is expected.

CHEMICAL RESISTANCE

Excellent resistance to dilute acids and alkalis, oil, diesel, and petrol. Consult our technical team for specific advice.

ADVANTAGES

- Fast curing even at low temperatures
- Pourable for ease of application
- Impact and abrasion resistant
- High bond strengths to steel and concrete
- Excellent chemical resistance
- Frost resistant and impervious to water

PROCEDURE

Surface Preparation: Remove all laitance, spalled concrete, grease, oil, dust and other contaminants by scabbling or bush hammering, to provide a sound, clean substrate. Any exposed reinforcement should be fully exposed by cutting out around its full circumference and cleaned by abrading or grit blasting to remove rust and scale etc and primed using Premcrete Epoprime MMA. Metal substrates should be degreased, and grit blasted to Sa 2.5 Swedish standard.

Priming: The prepared surface together with the pre-primed re-bars should be primed by the application of Epoprime MMA at a rate of 0.2 - 0.3kg/M2. Allow the primer to cure for a minimum of 40 minutes, before overcoating.

Mixing: Eponite MMA-P is supplied as a two-component pack consisting of the BASE component and the FIILLER/CATALYST component. The contents of the BASE component, and the FILLER/ CATALYST component should be thoroughly mixed together for 1-2 minutes. Mix using a low-speed drill stirrer or a forced action mixer. **NOTE:** The product may be bulked out with 2-6mm quartz gravel for sections in excess of

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15mm. The aggregate to mortar ratio is 0.75:1 by weight.

Application: Eponite MMA-P should be poured onto the primed substrate and trowel finished. The material should not be feather-edged. Minimum application thickness is 5mm.

Curing: Eponite MMA-P will have hardened sufficiently after 1 hour @ 20°C to allow light foot traffic. Two hours cure @ 20°C should be allowed before full trafficking. The cured product requires priming with the Epoprime MMA prior to the application of any other Premcrete MMA systems.

Equipment Cleaning: Clean equipment using Premcrete cleaning solvents prior to the material curing.

PACKAGING & COVERAGE

Pack size: 17kg.
Yield: 8.5 litres per 17kg pack. 13 litres when bulked out with aggregate.
Coverage: A 17kg pack will cover 0.85m² @ 10mm thickness.

STORAGE & SHELF LIFE

Store in dry conditions at temperatures between 10°C and 20°C. Adequate ventilation of the storage area should be provided. Keep containers tightly closed when not in use.

LIMITATIONS

Do not apply to uncured surfaces. Eponite MMA-P will taint food during application so that all foodstuffs in the immediate vicinity must be removed or properly covered.

HEALTH & SAFETY

Avoid contact of material with the skin and eyes. Wear appropriate gloves, overalls and eye protection during use.
Eponite MMA-P is flammable during application so that adequate safety precautions should be observed.
Please refer to the material safety datasheet for additional information.

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