Masonry Cement Composites (Pty) Ltd

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Hyrez Mortar 20Lt



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TECHNICAL DATASHEET

HYREZ MORTAR
Three Component Polyurethane Mortar Mix

HYREZ MORTAR is a polyurethane mortar mix that is used primarily to fill and raise horizontal surfaces or voids. Fine, hard aggregate makes the mortar high in strength and can be used on uneven areas with good adhesion to concrete. Water washable and textured finishing. Sets at low temperatures and is resistant to chemicals and has excellent chemical resistance.

TYPICAL APPLICATION
For use on commercial and industrial flooring and void filling applications where the mix can be compacted in. Long lasting, water resistant, chemical resistant mortar. Used on bridge decks, concrete structures, bearing pads and joint stops.

ADVANTAGES
• Hard wearing
• Long lasting
• Rapid hardening
• Textured finishing
• Water washable
• Compacting mix application
• Neutral sand colour
• High resistance to water and chemicals
• Easy to maintain
• Noncracking
• Abrasion and impact resistant

WATCH POINTS
• Exposure of the mortar to intense lighting or direct sunlight will produce discolouration in time
• Do not hold a full kit in a bucket for long period of time while mixed, rather empty and spread out onto substrate within the working time of the product.
• Mortar maybe textured if resin is not worked to the surface by floating with a steel trowel

DIRECTIONS FOR USE
Surface Preparation:
Surfaces to be clean, sound and free of deleterious substances. Remove all laitance, oil, grease, paints, mould oil or curing compound from surfaces using wire brush, bush hammer, scabbler or other plant as appropriate.

Priming:
HYREZ PRIMER: Mix Part A (Resin) and Part B (Hardener) and then Part C until a smooth mortar. Trowel or roll out over the substrate surface, working into the substrate where possible.

Application:
Mix the resin and hardener together in a clean bucket and mix in the aggregate. Mix only enough to be able to spread and trowel out within the pot life of the product. Trowel out into wet or tacky primer using trowels or straight edge over horizontal surfaces, and compact into place to remove trapped air. Smooth off with a steel trowel, wiping down the face of the trowel with xylene to assist in compression gliding over the surface of the mortar. If filling voids, prime the inside of the void and then compact in the mortar mix. Smooth off with a steel trowel. Allow 8-12 hours before overcoating or opening to light traffic. Overcoat with any solvent free polyurethane or epoxy-based coating such as HYREZ UVR or POXY 1938 in colour of choice.

TYPICAL PROPERTIES

Yield 20 Litres
Coverage 2m2 @10mm thick
Appearance Sand Colour Mortar
Application Temp 10°C to 25 °C
Mortar Thickness 5mm to 40mm
Pot Life 20 minutes
Overcoat Time 8-12 hours
Cure: Light Traffic 12 hours
Full Cure: 7 days 7 Days
Compressive Strength 70MPa
Bond Strength 3,5 N/mm2
Cleaning Solvent

Equipment Care
All tools should be cleaned with thinners immediately after use. If delayed, the equipment will need mechanical action to clean or be discarded.

Warranty
Masonry Cement Composites (PTY) Ltd products have a manufacturing defect free warranty. Products, when applied as stipulated in this technical datasheet, will perform as specified without manufacturing defect.
REVISION: 5.2