Masonry Cement Composites (Pty) Ltd

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Hyrez MD 3-4mm 12Lt



SKU: MWHZMD

TECHNICAL DATASHEET

HYREZ-MD
3-4 mm Polyurethane Floor Screed

HYREZ-MD has been infused with an exceptionally high amount of resin to provide outstanding chemical and stain resistance. Yet retaining slip resistance vital in wet areas. HYREZ-RT is a trowel applied polyurethane floor screed for medium duty industrial use. Highly chemical, abrasion and impact resistant, with a smooth surface with added slip resistance, hygienic cleanliness and seamless flooring. Supplied in a variety of colours for use in environments that range from back of house to wash bays, access ways to food processing areas.

TYPICAL APPLICATION
HYREZ-MD can be used in food processing plants, cold rooms, canning factories, bottling plants, high foot traffic areas

and environments where food safety, wet areas and medium industrial use are all prerequisites.

ADVANTAGES
• Hard-wearing
• Long lasting
• Smooth finish (non-slip)
• Water washable surface
• Easy application
• Solid Colour
• High resistance to stains and chemicals
• Easy to maintain
• Noncracking
• Variety of colours

WATCH POINTS
• HYREZ-MD will discolour in direct sunlight or outdoor settings.
• Mix only enough to allow placement during the pot-life of the product. Discard setting product.
• Colour may take 2 to 3 days to settle.
• While a primer is not required, it will always give a more solid appearance if used.

DIRECTIONS FOR USE
Yield 12 Litres per kit
Coverage 3m2 at 4mm
Appearance Smooth surface
Application Temp 10°C to 25 °C
Screed Thickness 3 - 4 mm
Pot Life 15 minutes
Time to Foot Traffic 12 hours
Time to Wheel Traffic 24 hours
Full Cure: 7 days 7 Days

Application Conditions: Application temperature should be between 10C and 25C. Employ the use of localized cooling or heating equipment if necessary. Try avoid applying over hot surfaces or previously heated areas. Substrates must have a moisture content of 8% maximum and tensile strength of 1.5 N/mm2 minimum

Surface Preparation: Surfaces need to be cleaned and flattened or imperfects will show through flow applied applications. Light grinding to remove all surface defects is recommended. Scabbling and acid etching is not recommended. If the substrate is porous or there is expected to be pin hole issues or moisture concerns, a scraper coat of HYREZ PRIMER is recommended as a primer. Anchor grooves are to be cut at twice the thickness of the floor finish to a maximum of 10mm. Anchor grooves are to be cut around the floor perimeter, parallel to expansion joints, around upright structures, around drains, parallel to door thresholds, and at regular 3 meter spacing across the floor surface.

Priming: Even though HYREZ MD is resin rich, it will require a primer on surfaces that are already sound and of suitable specification. If moisture or porosity is a concern, prime with HYREZ PRIMER at 500 µm thickness using a trowel and allow to cure for 12 hours. If no blistering or pin holing occurs, and all has set hard, continue with the final screed topping.

Application: Shake well the resin component to resuspend all the pigments in the liquid. In a pot mixer, premix the resin and the hardener until mixed together. While mixing, add in the powder aggregate gradually until all wetted out and lump free. Then transfer the mix onto the primed surface and level to the required thickness using a steel trowel. Once level, use a spike roller to remove stubborn trowel lines and reaerate the screed. Do not spike roll beyond initial set (3-5 minutes of application) or the screed will not self-level and roll marks will remain in the screed. Ensure that anchor grooves are filled completely. Allow the screed to cure for 12 hours. Protect the curing floor from damp, condensation and direct water for at least 24 hours.

Limitations: Do not apply in humidity is expected to be greater than 90% RH, or if the surface temperature is less than 3C above the dew point. Ensure that the curing temperature never drops below 5C, and do not apply over concrete that is less than 25 MPa compressive strength.

Colour variations can occur between batches so apply sections from the same batch of resin. Touching up will always be visible and should be avoided. If necessary, overcoat the entire surface with HYREZ UVR to obtain colour consistency.

TYPICAL PROPERTIES

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