

GENERAL USE LOW VISCOSITY 100% SOLID EPOXY BINDER

DESCRIPTION

MAGIECHEM 456 is a two-component, low viscosity epoxy binder with a 100% solid content and self-leveling, specifically designed to be used for general use.

MAGIECHEM 456 is a very low viscosity, providing good substrate wetting and a higher loading of quartz for troweling system.

MAGIECHEM 456 has a plastic feel which gives excellent resistance and a higher abrasion resistance.

ADVANTAGE

- Good adhesion to concrete and other substrates
- Meets LEED requirements
- Easy to trowel when it is well mixed with sand
- Zero VOC

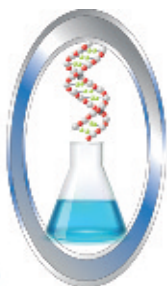
APPLICATION & INSTRUCTIONS

SURFACE PREPARATION

The surface must be free from oil, dust, grease, silicone, wax and any other contaminants, and prepared mechanically with shot blast or grinding.

APPLICATION

- Where the % moisture in the concrete is between yellow and green, use a Delmhorst (Scales measurement) or 3% and 5% apply a stretch coat with flat squeegee of MAGIECHEM 5076 at the rate of 240-280ft²/U.S. gal (6-8 mils DFT).
- Where the concrete is dry, apply a stretch coat at the rate of 6-8 dry mils (240 to 280 ft²/US gal with MAGIE-CH EM 456 then apply the second coat of MAGIECHEM 456 according to the chosen finish
- BASE COAT : 2.45 m²/I (100 ft²/gal US)
- BROACAST SYSTEM: 1.35 m²/I (55 ft²/gal US)
- TROWEL SYSTEM: 0.61 m²/I (25 ft²/ gal US)



MAGIECHEM



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CAUTIONS

- ▽ Consult MSDS before use.
- ▽ Ensure good ventilation.
- ▽ Do not apply if the temperature of the substrate is below 10° C

TECHNICAL INFORMATION

Colour: MAGIECHEM STANDARD COLOUR
OTHER COLOURS CAN BE MATCHED WITH EXTRA FEES.
VOC: = 00 g/L
Mix: 2 parts of A and 1 part of B by volume
Pot life: 20 minutes for a mass of 500g (mix A&B)
Method of application: Squeegee plus back roll with a good quality roller.
Recommended thickness: 15 mils for top coat
Recovery: Less than 48H
Cure To Touch : Less than 8 hours
Complete Cure: 7 days
Mix : 2 part A (resin) for 1 part B (hardener) per volume.
Cleaning : MAGIECHEM 211

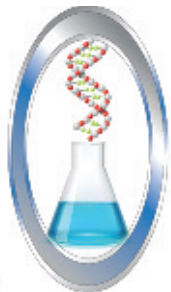
PHYSICAL PROPERTIES

PROPERTIES:	TEST	RESULTS
Compression	ASTM D695	56 Mpa {8120 psi}
Flexural Strength	ASTM D790	11 Mpa (1595 psi)
Elongation Strength	ASTM D638	26 Mpa (3770 psi)
% Elongation	ASTM D638	7%
Adhesion to Concrete Shore D	ASTM D4541	3 . 5 Mpa with concrete damage
Hardness	ASTMD2240	74
Impact Resistance	ASTMD3029	6.5 joules

REVTMENT WITHOUT AGGREGATES

TECHNICAL SERVICES AND WARRANTY

For assistance, consult a representative of MAGIECHEM products. The information contained in this data sheet is based on trials that we believe valid. However, when using the conditions depending on the application of our control. The seller and/ or the manufacturer disclaim any responsibility except to replace the product when proven defective.



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SURFACE/GALLON					
Thickness (mils)	1	4	8	10	20
Gallon/sq.ft	1600	400	200	160	80