

HIGH PERFORMANCE WATER BASE EPOXY WALL COATING

DESCRIPTION

MAGIECHEM 153 is a two component, water base, low VOC, epoxy wall coating with anti microbial protection.

MAGIECHEM 153 was developed especially for in indoor wall coating applications, where a highly smooth finish is preferred and where a highly cleanable surface is needed (sterilization with alcohol) and where the humidité is high a bit.

MAGIECHEM 153 has been created to be used on top of all **MAGIECHEM** epoxy wall coating to prevent yellowing and dirt marks, it's easy to clean and tolerate high humidité in the air.

ADVANTAGE

- Can be applied on primed Gypsum wall
- Excellent chemical resistance
- Excellent abrasion resistance
- 2 coats can be applied in one day
- Seamless, waterproof, flexible and smooth epoxy surface
- Excellent UV resistance
- Can give same light texture when it's applied with 10 mm roller.
- Extremely high blush resistant even under severe conditions

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

The surface must be dry and free of oil, grease, dust, silicone, wax or any other contaminant . The surface must be primed
Recommended primer :

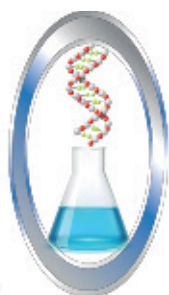
- **Concrete Blocks :** Ensure cleaned and uniform, if not, sand blast or other mechanical preparation method is highly recommended and primed with **MAGIECHEM 101** plus 2 coats of **MAGIECHEM 153**.
- **Gypsum :** Ensure cleaned and uniform than prime with **MAGIECHEM 101** diluted 10% to 20% with water
- **Standard steel :** Sand and clean and primed with **MAGIECHEM 163** or **MAGIECHEM 501**

APPLICATION

- **MAGIECHEM 153** Premix Part A and the part B separately then pour the Part B into the Part A according to the mixing ratio, keep mixing for 2 minutes then scrape down the wall with a scraper re-mix for 1 minute and apply with brush or a good lint free quality roller.
- The applicator must have a wet rag with warm water and ethanol to clean all accidental splashes.
- **MAGIECHEM 153** may require dilution on spray application. Consult **MAGIECHEM** for recommendation

PRECAUTIONS

- Consult MSDS before use.
- Do not apply if the temperature of the substrate is below 13 ° C / 55 ° F
- Do not use on floors where there is high traffic
- Do not use after 4 hours (pot life expire) even if the mix is still liquid
- Temperature of the substrate must be 3 ° higher than Dew point
- Wait at least 5 minutes before application by roller.
- Ensure good ventilation.
- Do not apply on existing paint without advanced testing



MAGIECHEM



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QUALIFICATION AND QUANTIFICATION

Colour: Magiechem Standard,
Other colour matches could be done at extra cost
VOC: ≤ 46 g/l
Mix: 3 parts of A and 1 part of B by volume
Pot life: 90 minutes, for a mass of 500g
Method of application: Brush, roller, sponge roller or sprayer
Recommended thickness: 200-300 ft² / U.S. gal per coat
(4-6) mils dry)

Number of coat: 2 coats minimum plus 1 primer
Recoat: 4-24 hours
Curing time: dry to touch 6 hours and full cure 7 days at room temperature (23°C)
Cleaning solvent: MAGIECHEM 211
Shelf Life: 1 year in original unopened container
Packing: 3.78 litres and 15.2 litres (1 to 4 gallons)

PHYSICAL PROPRIETIES

ASTM METHODE

RESULT

TENSILE STRENGHT	ASTM D 2370	> 10 MPa (> 1450 psi)
% ELONGATION	ASTM D 2370	> 5%
ADHESION TO CONCRETE	ASTM D 4541	> 2.5 MPa (360 psi)
ABRASION RESISTANT CS17	ASTM D 4060	95 mg lost
VOC (by calculation)	ASTM D 2396	46 g/litre

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..



MAGIECHEM

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

