

### 100% SOLID EPOXY WALL COATING

#### DESCRIPTION

**MAGIECHEM 542** is a two component epoxy coating with a smooth finish and a 100% solid content.

**MAGIECHEM 542** has been developed especially for indoor applications where a highly smooth finish is preferred and where a highly cleanable surface is needed (sterilization with alcohol or IPA).

#### ADVANTAGE

- Can be applied directly to 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 8 mm roller.

#### APPLICATION INSTRUCTIONS

##### SURFACE PREPARATION

The surface must be dry and free of oil, grease, dust, silicone, wax or any other contaminant

**Concrete Blocks** : Cleaned and uniform, if not, sand blast or other mechanical preparation method is highly recommended

**Gypsum** : Cleaned and uniform

**Wood** : Sand and clean

#### APPLICATION

**Recommended primer : Gypsum on Walls:**

- **MAGIECHEM 542** diluted with 5% ethanol or IPA when the gypsum is dry or 1 coat with epoxy block filler **MAGIECHEM 101**.
- **MAGIECHEM 163** diluted with 5% to 10 % ethanol or IPA if the moisture content is between Red and Yellow with a Delmhorst Moisture Meter (Scales of measurement)

- **MAGIECHEM 542** should be applied in 2 coats minimum at 400 sf/US gallon per coat.

**Concrete Blocks walls:**

- Use one coat of **MAGIECHEM 101** epoxy block filler plus 2 coats with **MAGIECHEM 542** at 4 mils per coat

#### PRECAUTIONS

- Consult MSDS before use.
- Do not apply if the temperature of the substrate is below 13 ° C / 55 ° F
- Wait at least 5 minutes before application by roller.
- Ensure good ventilation.



**MAGIECHEM**



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#### QUALIFICATION AND QUANTIFICATION

**Color:** Magiechem Standards,

Other match could be done with extra \$\$

**VOC:** 3g / l

**Mix:** 4 parts of A and 1 part of B by volume

**Pot life:** 120minutes, for a mass of 500g

**Method of application:** Brush, roller, sponge roller or sprayer

**Recommended thickness:** 300-400 ft<sup>2</sup> / U.S. gal per coat (4-6 mils dry)

**Number of coat:** 2 coats minimum

**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 liters and 18.9 liters (1 to 5 gallons)

#### 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

