

### 100% SOLID UNIVERSAL EPOXY COATING

#### DESCRIPTION

**MAGIECHEM 9461** is a two component 100% solid epoxy-based self-leveling coating.

**MAGIECHEM 9461** can be applied by conventional method and will give a strong finish with a ceramic look once it is dry.

**MAGIECHEM 9461** has a good impact resistance, chemical resistance, compression resistance with an excellent internal flexibility.

**MAGIECHEM 9461** is for indoor application where a high traffic or / and high humidity is present.

**MAGIECHEM 9461** could be used alone or with quartz aggregates to give a strong and decorative floor finish.

#### ADVANTAGES

- Excellent chemical resistance.
- Excellent mechanical proprieties.
- Excellent abrasion resistance.
- Met LEED requirement.
- Versions TX and AS are available for floors finished with textures in "orange peel" regular (TX) or more aggressive (AS: Anti-slip).

#### APPLICATION INSTRUCTIONS

The surface must be free of all contaminants such as oil, grease, wax, etc. ...

**Concrete:** Mechanical or chemicals preparation (Acid wash / neutralization) depending on the conditions.

**Metal:** Sand blasting or another Jet.

**Wood:** Sand and clean.

#### APPLICATION

**Plancher :** **MAGIECHEM 5076** where the % moisture in the concrete is between yellow and green, use a Delmhorst (Scales measurement) or 3.5% and 5% at the rate of 240-280ft<sup>2</sup>/U.S. gal (6-8 mils DFT).

**MAGIECHEM 9461** where the concrete is dry, apply a stretch coat at the rate of 6-8 dry mils (240 to 280 ft<sup>2</sup>/US gal followed by **MAGIECHEM 9461** according to the chosen finish:

##### Smooth Floor Coating without aggregates

Apply a layer of **MAGIECHEM 9461** from 14 to 16 mils at 4m<sup>2</sup>/ l (about 100 ft<sup>2</sup>/U.S. gal), on a primed surface; spread evenly with a notch squeegee and roll on with a high quality roller (5 or 6 mm line free roller), which doesn't leave any hair to have a mirror finish.

##### Smooth Floor coating with aggregates

Mix 2 parts A to 1 part B (2A:1B by volume), then add 3 parts (30-70 mesh) of aggregates at desired flow. Spread the mixture with ¼"

notched squeegee at the rate of 60 ft<sup>2</sup>/U.S. gal) and roll on with a short hair nylon texture roller.

##### Broad casted system (1/8" tick)

Mix 2 parts A and 1 Part B (2A & 1B by volume), then add 3 parts recommended aggregates. Spread the mixture with a screed box at 55ft<sup>2</sup> / US gal and even with a short hair roller (Nylon). Then broadcast the 30 mesh (selected silica sand) aggregates until saturation. Allow to cure over night, remove excess aggregates then apply two coats at 10 mils each.

##### Trawled system (1/4" tick)

Mix A&B separately and then mix 2 parts of A to 1 part of B (2:1 by V/V) and add 8 to 10 kilos 24 mesh Quartz aggregates (colored or not) per liter. Spread with trawl at ¼". Then joint with two (2) coats of resin (mix of A& B) at 10 mils per coat.



**MAGIECHEM**

#### PRÉCAUTIONS

- Consult MSDS before use.
- Do not use the equipment if the substrate temperature is below 5 ° C / 41 ° F.
- Wait at least 5 min before starting to roll
- Ensure good ventilation.
- Roll on by block of surface as large as possible in order to minimize the variation of color at the junction of the adjacent sections.

