

HIGH QUALITY WATER BASE ALIPAHTIC POLYURETHANE TOP COAT

DESCRIPTION

MAGIECHEM 421 is a two component aliphatic polyurethane hybride UV floor coating,. This product has been formulated to be applied by conventional method on the top off our epoxys systems.

MAGIECHEM 421 can be used over existing epoxy floors, or as a standalone floor coating with very high UV resistant.

MAGIECHEM 421 can be used also where the temperature is low as 41°F alone or with a fine aggregates to provide an anti slip floor finish.

MAGIECHEM 421 when fully cured, will produce a highly abrasion and wear resistance, sooth finish and no yellowing, it can be an different shine, matt or glossy smooth and easey to clean top coat.

AVANTAGES

- Easy mixing ratio 4A : 1B by volume or weight
- Excellent humidity and temperature resistance
- Excellent abrasion resistance
- Excellent adhesion
- Easy to istall, no need of solvent
- Ecellent UV resistente
- no roller mark when applied by roller
- Meets LEED requirement

APPLICATION INSTRUCTION

The surface must be free of all contaminants such as grease, oil, dust, dirt, glue, tire marks and other contaminants.

Concrete block: must be aged for 28 days minimum before application. all irregularities should be fixed and cleaned before the application of the primer, consult MAGIECHEM for more clarification.

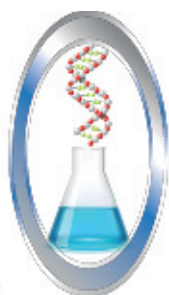
APPLICATION

Mix the material before use

- **MAGIECHEM 421** Apply one (1) coat at the rate of 4 to 6 mils W.F.T with notched squeege plus back roll with 10 mm lint free roller to make it uniform, or by roller par back roll with a high quality lint free microfibre roller.
- No need to apply 2 coats, if the first one was well done on primed concrete floor.

CAUTION

- Consult MSDS before use
- Can be applied down to 5°C (41°F).
- Do not apply on humid concrete up to 3.5%, or yellow scale according Delmhorst
- No induction time needed before application.



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TECHNICAL INFORMATION

Color: MAGIECHEM CLEAR IN MATT OR HIGH GLOSS FINISH

V.O.C.: ≤49 gr/liters

Mixing ratio: 4 parts A and 1 part B by volume

Pot Life: 60 minutes for 0.5 kg (1.1lbs)

Inductuion time: No needed

Diluent: No needed

Recommended Thickness: 4 mils to 6 mils

Coverage: 300 to 400 ft²/gal US

Recoat: no need but we have to, 4 to 24 hours with the same material,

Dry to touch: 2 hours

Complete cure: 28 days

Solvent Cleaner: hot water and soap

Shelf Life: 6 months in original unopened container

Packaging: 3.78L and 18.9Liter (1 and 5 Gal. US)

Tensile Strength AST M D638: 13MPa (1885psi)

Elongation at break AST M D638 : 20 %

Adhesion AST M D4541: 3.5 MPa (500 psi) (substrate failure)

Abrasion Resistance ASTM D4060 : 32 mg loss (Taber Abraser, CS-17 Wheel/1000 g (2.2 lb)/1000 cycles)

Hardness AST M D2240: 80 Shore A

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					
Épaisseur (mils)	1	4	8	10	20
SF /Gallon	1600	400	200	160	80