

100% SOLID HIGH CHEMICAL EPOXY BINDER

DESCRIPTION

MAGIECHEM 9730 is a two component Novalac epoxy binder, which provides a very good chemical resistance including sulfuric acid with a concentration up to 38%.

MAGIECHEM 9730 is based on the latest generation of epoxy hardeners. These new technologies help us to resolve some common problems.

MAGIECHEM 9730 is for indoor application where high traffic conditions and high chemical resistance are required.

MAGIECHEM 9730 could be used as a binder with decorative quartz or flake aggregates to provide an attractive floor that yields high chemical and impact resistance.

ADVANTAGE

- Resistant to many chemicals;
- Seamless and waterproof;
- High wear resistance (abrasion);
- Meets LEED requirements

APPLICATION

- The surface must be dry and free of contaminants like grease, wax, etc...
- Apply **MAGIECHEM 5076** where the moisture content in the concrete is between yellow and green depending on the DELMHORST scale (humidity measurement) at the rate of 200-260 ft²/gal US. (6 to 8 mils DFT)
- Apply **MAGIECHEM 9730** as a prime coat, where the concrete is dry, at a rate of 10 to 15 mils (between 160 and 240 ft²/gal US.
- Followed by one coat of **MAGIECHEM 9730** at 35 mils.

Concrete: Mechanical cleaning or acid wash, depending on the conditions.

Metal: Sandblasting or other jet blast.

Wood: Clean and uniform.

PRECAUTIONS

- Consult MSDS before usage;
- Wait at least 5 minutes before you start to back roll;
- Roll on a large surface as possible to minimize the possible variation of color at each adjacent section;
- Ensure there is proper ventilation;
- DO NOT apply material if the substrate temperature is below 13° C / 55° F.



MAGIECHEM



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QUALIFICATION AND QUANTIFICATION

Color: MAGIECHEM color chart

V.O.C.: \$ 10 g/l (\$0.08 lb /gal. US)

Mix: 2 parts A with 1 part B by volume

Pot Life: 20 minutes for a mass 0.5 kg (1.1 lbs)

Thickness for coating: 35 mils minimum

Broadcast: 1/8" (3mm)

Troweled: 1/4" (6 mm)

Recovery: 16 to 48 hours

Dry to Touch: 6 to 10 hours

Light traffic: 16 to 24 hours

Heavy traffic: 7 Days

Diluents: Not recommended

Cleaner: MAGIECHEM 211

Storage stability: 1 year in the original unopened container

Packaging: 11.34 Land 56.7 L (3 and 15 gallons US)

COVERAGE

Flooring: 2.5 m²/L (100 pi²/gal US)

Broadcast: 1.3 m²/L (55 pi²/gal US)

Troweled: 0.6 m²/L (25 pi²/gal US)

PHYSICAL PROPERTIES		WITHOUT AGGREGATE COATING
PROPERTIES	TEST	RESULTS
Compressive strength	ASTM D695	74 Mpa (10730psi)
Flexural strength	ASTM D790	6.6 Mpa (957 psi)
Tensile strength	ASTM D638	6.6 Mpa (957 psi)
% Elongation	ASTM D638	54%
Adhesion to concrete	ASTM D4541	8.5 mpa with damage on concrete
Hardness Shore	ASTM D2240	72-76
Calculated VOC	ASTM D2396	0.5g/l

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 this product in conditions of application that are beyond our control, the seller and/or manufacturer disclaim any responsibility except to replace the product proven to be defective.



Magiechem

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

