

HIGH CHEMICAL RESISTANCE EPOXY BINDER

DESCRIPTION

MAGIECHEM 9735 is a two component Novalac epoxy binder, which provides a very good chemical resistance including sulfuric acid up to 98% concentration.

MAGIECHEM 9735 is based on the latest new generation of epoxy hardeners. These new technologies help us to resolve some common problems.

MAGIECHEM 9735 is for indoor application where high traffic conditions and chemical resistance are required.

MAGIECHEM 9735 could be used as a binder for decorative quartz or flakes aggregates to give an attractive floor with high chemical and impact resistance.

ADVANTAGES

- Resistant to many chemicals
- Seamless and waterproof
- High wear resistance (abrasion)
- LEED friendly.

INSTALLATION INSTRUCTIONS

The surface must be dry and free of oil, grease, wax or any other contaminants.

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

Metal: Sandblasting or other Jet blast.

Wood: Clean and uniform.

APPLICATION

Primer recommended :

- **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/U.S. gal (6-8 mils DFT).
- **MAGIECHEM 9735** where the concrete is dry, apply a coat at 10-15 mils (160 to 240 ft²/U.S. gal).
- Followed by one coat of **MAGIECHEM 9735** at 35 mils.

PRECAUTIONS

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

Coverage :

Flooring : 2.5 m²/l (100 pi²/gal US)

Broad cast: 1.3 m²/l (55 pi²/gal US)

Troweled : 0.6 m²/l (25 pi²/ gal US)



MAGIECHEM



HIGH CHEMICAL RESISTANCE EPOXY BINDER

QUALIFICATION & QUANTIFICATION

Color: Magiechem color chart

V.O.C.: ≤ 10 g/l (≤0.08 lb /gal. US)

Recommended thickness:

Coating: 35 mils minimum

Broad cast: 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

Mix: 2 parts A with 1 part B by volume

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

Heavy traffic: 7 Days

Diluants: not recommended

Cleaner: MAGIECHEM 211

Storage stability: 1year in original unopened container

Packaging: 11.34l and 56.7 liter (3 and 15 gallons US)

PHYSICAL PROPERTIES		WITHOUT AGGREGATE COATING
PRORIETIES	TEST	RESULTS
Compressive strength	ASTM D695	74 Mpa (10730psi)
Flexual strength	ASTM D790	6.6 Mpa (957 psi)
Tensile strength	ASTM D638	6.6 Mpa (957 psi)
Percentage Elongation	ASTM D638	54%
Adhesion to concrete	ASTM D4541	≥3.5 Mpa avec dommage au béton
Shore D hardness	ASTMD2240	72-76
COV calculated	ASTMD2396	0.5 g/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 the manufacturer disclaim any responsibility except to replace the product proven defective.



MAGIECHEM

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

