



# MAGIKOL

## High Bond Epoxy Grout

### PRODUCT DESCRIPTION

Magikol High Bond Epoxy Grout is an epoxy grout specifically designed for use in applications of ceramic tile, vitrified tile and stone where staining is expected.

#### Application

- Institutional kitchens
- Cafeterias
- Institutional facilities
- Swimming pools
- Rest rooms
- Schools

#### Advantages

- **Pure Colour Effect**
- **Stainfree**
- Colour - fast
- Easy to install and clean
- Chemical and temperature resistant
- Water cleanable when fresh
- No Crack, creasing or Powdering during hardening
- Available in range of attractive colors

#### Packaging Components:

Magikol High Bond Epoxy Grout is a factory proportioned kit with Resin (Part A), Hardener (Part B), and colored filler powder (Part C). Magikol High Bond Epoxy Grout is available in 15 different colours.

UNIT	NET WEIGHT
1/5 <sup>th</sup> Unit	1.0 kg
1 Full unit	5.0 kg

**Coverage:** Depends on the tile size, joint width and depth.

#### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >32°F (0°C) and <110°F (43°C).

### TECHNICAL DATA

Complies to EN standards: RG

#### Physical Properties

TEST	Test Method	RESULTS
Water Cleanability	ANSI A 118.3 1999; E 5.1	>80 min
Water Absorption	ANSI A 118.6 1999; H 4.4	0.4%
Initial Setting Time	ANSI A 118.3 1999; E 5.2	180 min
Service Setting Time	ANSI A 118.3 1999; E 5.2	<7 days
Linear Shrinkage	ANSI A 118.3 1999; E 5.3	< 0.10%
Sag	ANSI A 118.3 1999; E 5.4	no change
Bond strength to quarry tile	ANSI A 118.3 1999; E 5.5	> 1200 psi (8.2MPa)
Compressive Strength	ANSI A 118.3 1999; E 5.6	>7500 psi (51.7MPa)
Tensile Strength	ANSI A 118.3 1999; E 5.7	>1500 psi (10.3 MPa)
Thermal Shock	ANSI A 118.3 1999; E 5.8	>1100 psi (7.5MPa)

#### Working Properties at 70°F ( 21° C )

Pot Life	45 minutes
Foot Traffic	24 hours
Heavy Traffic	72 hours

1. During cold weather, protect finished work from traffic until fully cured.
2. Until cured, Magikol High Bond Epoxy Grout may irritate eyes and skin.
3. Avoid contact with eyes or prolonged contact with skin.
4. In case of contact, flush thoroughly with water.
5. Do not take internally. Silica sand may cause cancer or Serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
6. Keep out of reach of children.

7. Results shown are typical but reflects test procedures used. Actual field performance will depend on installation methods and site conditions.

## INSTALLATION

### Surface Preparation

Before starting to grout, remove debris in grout joints and lightly sponge the tile surface to remove dust and dirt. Do not clean tiles with acid cleaners.

### Mixing

Empty entire contents of Magikol High Bond Epoxy Grout Part "A" and Part "B" container into a clean mixing pail. Mix with a margin trowel or a slow speed drill mixer until liquids are completely blended. Add at least ¾ of Magikol High Bond Epoxy Grout Part "C" Filler Powder and mix to a uniform consistency. Mix as stiff as possible to work into the joints.

### Application

Immediately pour entire contents of bucket onto working area. Use a plastic sheet as a drop cloth. Use standard epoxy grouting techniques to work with Magikol High Bond Epoxy Grout into tile joints. Magikol High Bond Epoxy Grout can also be applied with a caulking gun. Be sure all grout joints are packed full. Remove as much excess material as possible before initial cleaning with grout float. Do not leave excess grout on the face of tiles.

**NOTE:** Keep the working area covered and protected from Sun light while application of Magikol High Bond Epoxy Grout, applied in open areas like swimming pools etc. Keep the cover for 7 days and till the filling of pools with water after the completion of grouting with Magikol High Bond Epoxy Grout.

### Cleaning

Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pull it diagonally across the joints and tile to avoid pulling out the material.

**Initial Cleaning:** After 30-45 min of the application of the grout scrub the surface of the tile & joint with clean water and scrubber provided to remove any excess grout. Then take a clean thick towel and drag across the tile to remove any residue.

**Final Cleaning:** within 24 hours do a second cleaning with normal soap detergent to remove any haze from the tile.

### Chemical Resistance Chart (at 70 °F/21 °C)

\*Chemical Resistance depends on exposure levels:

**Splash** - Minor spill wiped up quickly such as in a laboratory.

**Intermittent** - exposure to chemicals where clean up takes place several times a day such as in a commercial kitchen.

**Continuous** - heavy exposure to chemicals where clean up is less frequent such as in an industrial food plant.

**R=Recommended, NR=Not Recommended.**

REAGENT NAME (at 70°F/21°C)	Continuous Exposure	Intermittent Exposure	Splash exposure
Milk	R	R	R
**Wine	R	R	R
Ethanol	NR (soft)	R	R
*Potassium Permanganate 10%	NR	R	R
*Potassium Permanganate 1%	R	R	R
Tannic Acid to 50%	R	R	R
Tartaric Acid to 50%	R	R	R
Phosphoric Acid to 80%	R	R	R
*Sulfuric Acid to 20%	R	R	R
Oxalic Acid to 10%	R	R	R
Lactic Acid to 5%	R	R	R
Acetic Acid to 5%	R	R	R
Sodium Hydroxide to 50% Saturated	R	R	R
Benzoic Acid 5%	R	R	R
Sea Water	R	R	R
Fruit Juice	R	R	R
Methanol	NR	NR	R
MEK	NR	NR	R
Chloroform	NR	NR	NR
Methylene Chloride	NR	NR	NR
Toluene	NR	NR	R
Xylene	NR	NR	R

During cold weather, protect finished work from traffic until fully cured.

## AVAILABILITY AND COST

### Availability

For distributor or area dealer information:

Telephone: +91-022-49704245

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### Cost

Contact a Magikol Distributor in your area

**Magikol Industries LLP.**

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