

# CHEMPOXY

## HP-07 HIGH PERFORMANCE GROUT FOR FLOOR "N" WALL

### DESCRIPTION

chempoxy HP-07 High Performance 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

### FEATURES

- Stainfree.
- Colour-Fast.
- Easy To Install And Clean.
- Chemical And Temperature Resistant.
- Non-Cracking Or Powdering.
- Water Cleanable When fresh.
- Available In Rang of Attractive Colors.

### Packaging Components:

CHEMPOXY® HP-07 is a factory proportioned kit with Resin (Part A), Hardener (Part B), and colored filler powder (Part C).

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

### Coverage:

Please refer the coverage chart as it 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).

### Limitations

- Light colors may darken slightly from direct UV exposure. Consult with Technical Services for specific exterior recommendations.
- For industrial applications exposed to high concentrations of food and mineral acids and to high heat, use CHEMPOXY@2000 Industrial Epoxy Grout.
- Maximum stain resistance is achieved 10 days after installation. Protect from exposure to acids and strong cleaners during this period.
- Not recommended for soft, polished marble or delicate glazed tiles.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes. When a waterproof membrane is required, use CHEMI BULID @ Hydroban / 9237 Waterproof Membrane.

### Cautions

#### CHEMPOXY HP-07 EPOXY GROUT

REAGENT NAME (at 70°F/21°C)	Continuo us Exposure	Intermittent Exposure	Splash exposure
Milk	R	R	R
** wine	R	R	R
Ethanol	NR(soft)	R	R
*Potassium Permanganate 10%	R	R	R
*Potassium Permanganate 1%	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	R
Methylene Chloride	NR	NR	NR
Toluene	NR	NR	NR
Xylene	NR	NR	R

- During cold weather, protect finished work from traffic until fully cured.
- Until cured, CHEMPOXY@ HP-High Performance Grout may irritate eyes and skin.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

### Working Properties at 700°F ( 21°C )

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

**Specifications are subject to change without notification. Results shown are typical but reflects test procedures used. Actual field performance will depend on installation methods and site conditions.**

### TECHNICAL DATA Applicable Standard

ANSI A118.3 – 1999; EN 13888

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### 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% E 5.3
Sag	ANSI A 118.3 1999; E 5.4	no change
Bond strength to quar 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)

### 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.**

Chemical Resistance determined in accordance with ASTM C267-1982.

### NOTES TO SPECIFIER:

Use the constant exposure recommendations for intermittent exposure to reagents at temperatures above 90°F (32°C).

### 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. Substrate temperature must be between 60°F (16°C) and 90°F (32°C).

#### Mixing

Empty entire contents of CHEMPOXY HP-07 High Performance 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 ¼ of CHEMPOXY HP-07 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 HP-07 Grout into tile joints. HP-07 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 CHEMPOXY HP-07, High Performance epoxy grout is 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 CHEMPOXY HP-07, High Performance 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.

### Availability

Chemibuild and Chempoxy materials are available worldwide.

### Cost

Contact a Chemibuild Distributor in your area.

### MAINTENANCE

CHEMIBUILD CHEMPOXY grouts require routine cleaning with neutral pH soap and water or CHEMIBUILD Clenza series suitable cleaners. All other CHEMIBUILD and CHEMPOXY materials require no maintenance but proper installation as per instruction.

Performance and durability may depend on properly maintaining of installed area.

### WARRANTY

CHEMIBUILD India Pvt Ltd warrants that CHEMIBUILD HP -07 High Performance grout is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of two (2) years from manufacturing of the product subject to the terms and conditions stated in CHEMIBUILD Product Warranty.