



# HIPPO BOND

— Tile & Stone Solutions —

## Hipoxy HP-100 Data Sheet

### Description

- HP-100 Hipoxy is a three-component water cleanable & stain-free epoxy grout specially designed for use in floor & wall applications of ceramic tile, vitrified tile, mosaics, stone & structural glazed block. Any coloured silica powder may be used to get the desired shade of grout.

### Specification

- Internal specification complying with ASTM D1544, D2196, and D2471 where mentioned.

### Features & Benefits

- Chemical resistance to many acids, alkalis, corrosive agents, salt water, oils and fats
- Stain-free and water cleanable, easy to apply with good workability
- High gloss grouting
- Sag resistance – suitable for vertical applications Anti-bacterial & anti-fungal
- Crack-free setting without shrinkage Very high adhesion to tiles and substrate

### Packaging

- Available in 1kg, 5kg & 20kg



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## Areas of Application

- Laboratories, restrooms, schools, heavy-duty workshops, garages and service facilities Institutional kitchens and catering facilities.
- Swimming pools, showers, artificial water bodies and hot springs Bottling plants and breweries.
- Food production: meat, fish, vegetable and fruit processing, canning areas, dairies and bakeries.

## Surface Preparation

- Ensure tiles are firmly set and adhesive/mortar is completely dry for 24 hours.
- Remove all spacers, pegs, ropes, strings; clean joints of loose dirt.
- Avoid high humidity (>65%), low daylight or temperature below 20°C.

## Limitations

- Light colors may darken slightly from direct UV exposure.
- Consult with Technical Services for specific exterior recommendations. 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.
- We are not responsible for tile grout applicator not in accordance with our instructions and industry standard guidelines.
- Cracking due to structural movement, excessive deflection or other failure in the substrate is also not covered.



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## Technical Data

### Product Specifications

Property	Units	Reference Standard	Value
Appearance		Visual	Resin: Hazy Liquid, Hardener: Clear Yellow-Brown
Color (Gardner)		ASTM D1544	Max 8
Viscosity at 25°C	mPas	ASTM D2196	Resin: 1100–1400, Hardener: 500–1000
Density	g/cc	HTP-6	Resin: 1.05–1.15, Hardener: 0.95–0.97

### Product Performance Data

Property	Units	Reference Standard	Value
Mixing Ratio (Resin:Hardener)	Pbw	—	100:50
Mix Viscosity at 25°C	mPas	ASTM D2196	900–1000
Pot Life (100gm at 25°C)	Minutes	ASTM D2471	60–80
Hardness	Shore D	HTP-22	75–80

### Working Properties

Property	Typical Value
Workability at ambient condition	1 – 1.5 hours
Foot Traffic	24 hours
Heavy Traffic	72 hours



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## How To Apply

- Fill tile joints using rubber float or plastic spatula ensuring complete fill.
- Remove excess grout moving the float diagonally across joints.
- Clean as much grout as possible before initial cleaning begins.

## How To Clean

- After 30–45 minutes, scrub tile surface and joints with water and scrub pad.
- Wipe off residue with a clean wet towel and repeat as necessary.
- After 2–3 hours, smooth rough joints with sponge or a gloved finger soaked in soap solution.
- Clean entire surface with water and soap solution within 12 hours to remove epoxy haze.
- Avoid excessive water and ensure water doesn't contact fresh grout.

## Storage Conditions

- After 30–45 minutes, scrub tile surface and joints with water and scrub pad.
- Wipe off residue with clean, wet towel and repeat as necessary.
- After 2–3 hours, smooth rough joints with sponge or gloved finger soaked in soap solution.
- Clean entire surface with water and soap solution within 12 hours to remove epoxy haze.
- Avoid excessive water and ensure water doesn't contact fresh grout.

## Shelf Life

- The shelf life for both products Resin and Hardener is 12 months from date of manufacturing.



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## Coverage of Hipoxy Epigrout Tile Grout

Tile Dimension (mm)	Thickness	2mm	3mm	4mm	5mm	6mm	7mm	8mm	10mm
100x100	3	0.22	0.32	0.43	0.54	0.65	0.76	0.86	1.08
150x150	4	0.19	0.29	0.38	0.48	0.58	0.67	0.77	0.96
300x300	6	0.14	0.22	0.29	0.36	0.43	0.50	0.58	0.72
600x600	8	0.10	0.14	0.19	0.24	0.29	0.34	0.38	0.48
900x900	12	0.10	0.14	0.19	0.24	0.29	0.34	0.38	0.48

## Consumption (sq. ft/5kg unit)

Tile Dimension (mm)	Thickness	2mm	3mm	4mm	5mm	6mm	7mm	8mm	10mm
100x100	3	249	166	125	100	83	71	62	50
150x150	4	280	187	140	112	93	80	70	56
300x300	6	374	249	187	144	125	107	93	75
600x600	8	561	374	280	224	187	160	140	112
900x900	12	561	374	280	224	187	160	140	112

## Note

- Calculated coverage indicated is approximate, based on 'nominal' tile size, and is provided for purposes of estimation only. Actual coverage will vary depending on job site conditions, actual tile size and installed grout joint size. Add 10–15% for waste, spillage and clean-up.

## Disclaimer

- Our recommendations are based on current knowledge but do not guarantee suitability for specific applications. The buyer is responsible for ensuring product compatibility and lawful use. We are not liable for improper use. Products are warranted to be defect-free under our standard terms.

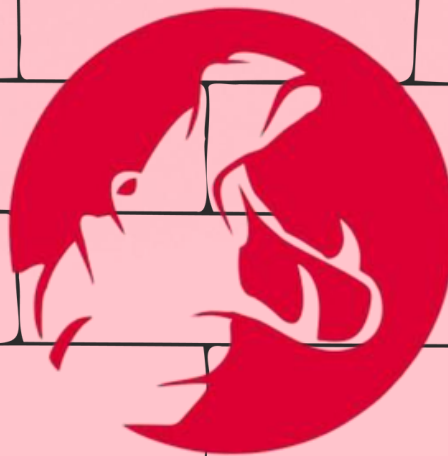


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## Areas Of Application

Areas	Application
Interiors	Yes
Exteriors	Yes
Swimming Pool	Yes
High-Duty Workshops	Yes



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