



High Tech Epoxy Tile Grout

High Tech Epoxy Tile Grout is a 2-component solvent free epoxy-based tile grout based on high grade Resins.

It provides excellent chemical resistance, anti-fungal, anti-bacterial and dust proofing properties.

High Tech Epoxy Tile Grout is suitable for the tile joint grouting in Industries where heavy chemical use prevails. This is an ideal product that can be used in hospitals, kitchens, chemical spillage rooms, laboratories, etc.

ADVANTAGES

- ✓ Excellent resistance to bacterial and fungal growth
- ✓ Solvent free
- ✓ Shrinkage free and rapid hardening
- ✓ High mechanical strength
- ✓ Curing is not affected by high humidity.
- ✓ Impact and vibration resistant
- ✓ Excellent adhesion
- ✓ Mild chemical resistance

TYPICAL PROPERTIES AT 25°C

Component	Two: Part A: Base Part B: Hardener Pourable Paste
Mixed Form	
Color	Various Colors Available: Refer to Shade Card
Mixed Density	g/cm ³ 2.0-2.2
*Open Time	30Min
*Full Cure	2Days
Compressive Strength	75 N/mm ² @ 3Days (ASTM C579)
*Tensile Strength	15 N/mm ² @ 3Days (ASTM 307)
*Initial Shear Adhesion Strength	> 2 N / mm ² @ 3 Days (In house Developed Method)
*Flexural Strength	30 N / mm ² @ 3 Days (ASTM C580)
*Chemical Resistance	Excellent to Water, oils, Fuels, dilute acids, & Alkalis

*Typical results under laboratory conditions

SURFACE PREPARATION

Joints to receive grout should be clean, dry, and free from standing water, grease, loosely adhering particles etc. cement laitance should be removed by mechanical means. All the areas surrounding the joints must be taped thoroughly. **High Tech Epoxy Tile Grout** is a pourable tile grout, taping should be done with the most care as cleaning this material from various tile surfaces is difficult and can also damage the tiles.



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MIXING

Mix part A with Part B using a slow speed drill machine fitted with a mixing paddle and continue to mix until a uniform consistency is achieved.

APPLICATION

Mixed **High Tech Epoxy Tile Grout** should be worked into the tile joints using a spatula. It is recommended to use masking tape around the edges of the tiles to avoid any spillage. Excess grout material can be removed with the use of a cloth or sponge along with a suitable solvent while the material is still wet and has not cured completely.

CHEMICAL RESISTIVITY CHART

Chemical	Resistance	Chemical	Resistance
Acetic Acid 99%	NR	Toluene	Excellent
Acetic Acid 33%	1 day	Petrol	Excellent
HBr 47%	Excellent	Lactic Acid	Good
HCl 12%	Excellent	Sodium Hydroxide 50%	Excellent
Nitric Acid 57%	NR	Water at 700C	Excellent
Nitric Acid 19%	Excellent	Sodium Chloride 30%	Excellent
Sulfuric Acid 98%	NR	Methanol	NR
Sulfuric Acid 33%	Excellent	MEK	NR
ECH 50% in water	NR	MIBK	Excellent
DETA 50% in water	1 day		

Key:

Excellent: < 5% 80-day mass change
Good: 5-10% 80-day mass change
1-day: < 10% 1-day mass change
No Resistance: > 10 % 1-day mass change

*This is a tentative chart for reference only. It is recommended to do a compatibility test and sampling prior to any application.

COVERAGE

Tile size (W X B) mm	Tile thickness mm	Joint Width mm	Grout consumption Ltr / m2
200 X 200	6	5	*0.37
455 X 500	6	5	0

*Figures are theoretical values only. Allowance for wastage should be considered.

*0.17

0



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SHELF LIFE

Expiration of **High Tech Epoxy Tile Grout** is at 12 months after production date under dry and sheltered conditions.

PACKAGING

High Tech Epoxy Tile Grout is available in the following packaging.

1 KG Kits Part A: 65 GRAM
 Part B: 35 GRAM



NOTE:

If printed box not available, neutral box with label. Lot number and manufacturing date to be stamped at the back of each box.



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HEALTH AND SAFETY

High Tech Epoxy Tile Grout is regarded as non-hazardous for transportation. Do not reuse bags or containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to the MSDS of the product for further health and safety information.

NOTE:

High Tech Epoxy Tile Grout is available in many standard different colors. Please Refer to the product shade card for color reference. Please note that the colors presented in the shade cards are for reference, the color shade may vary with the difference in the application and methodology along with the production availability of pigments at source. The coverage presented in the Technical data sheet is theoretical. Place an actual area on site to check for the coverage and color outcome on the job site.

