



TECHNICAL DATASHEET

562 EPOXY TILE GROUT

DESCRIPTION:

NeoSeal® 562 Epoxy Tile Grout is hygienic, stain-resistant, three component high quality special pigmented quartz sand as filler with epoxy resin and hardener with a high degree of resistance to chemical attack, abrasion and impact. It is designed for grouting various tiles like ceramic, porcelain, vitrified, fully vitrified, glazed, mosaic, granites, marbles and other natural stones.

AREA OF APPLICATION:

- Walls and Floors
- Interior and Exterior
- Wet & Dry area
- Shower and Swimming pool
- Kitchen and Cafeteria
- Heavily Traffic Floor
- Hygienic Sterile Area

TECHNICAL SPECIFICATIONS:

Properties	Test Results
Appearance	Base (Part-A) - White Liquid
	Hardener (Part-B)- Yellow Liquid
	Filler (Part-C) - Coloured powder
Mixing Ratio	Base + Hardener + Filler
Pot life @ 30°C	Min. 60 minutes
Joint Width	2-15mm
Sag Resistance	No-sag
Application Temperature	From +10°C to +35°C
Temperature of use	From -20°C to +100°C
Light Foot Traffic	24 hours
Regular Traffic	3 Days
Available Shades	8 shades (White, Ivory, Dark Brown, Red, Dark Gray, Light Gray, Blue & Black).
Performance Properties	
Compressive Strength after 7 days	>50 Mpa
Flexural Strength after 7 days	>30 Mpa
Shear Adhesion Strength after 14 days	≥30 KN
Water Absorption	≤ 0.5 g
Pull-off Adhesion Strength	≥ 1.5 Mpa (Concrete failure)



FEATURES & BENEFITS:

- Permanent locking of colours between joint
- High quality UV stable colour quartz in 8 shades (White, Ivory, Dark Brown, Red, Dark Gray, Light Gray, Blue & Black)
- No stain on grout joints
- High chemical & stain resistant
- Hygiene, antibacterial & does not allow fungal growth by itself
- Almost waterproof by its nature
- Very high compressive and abrasion resistance
- Smooth and shiny flush joints between tiles & stone
- Easy to mix, apply and water cleanable at site
- Durable and long-lasting
- Highly thixotropic in nature and does not sag from the joint up to 15 mm. or even more
- Low VOC and at par with international norms
- Post application no acid or special cleaner requires to clean the grout surface

NOTE:

1. Care should be taken to avoid staining on unglazed tiles/stones, quarry textured surface etc. Check the potential risk of staining by applying the grout on a small trial area.
2. If working in a food processing / preparation / storage area, keep tiles/mosaics dry; Do not use the floor until the Epoxy Grout is hard/cured. Avoid contact between food/water and tiling for at least 7 days after grouting.

METHOD OF APPLICATION:

1. Surface Preparation:

- Ensure 24-hour time interval for grouting after tiles installation.
- Before grouting, make sure the tiles adhesive set properly and released most of its moisture.
- The joints must be dry, clean, free of dust, loose particles.
- The joints should not be wet during work.
- Put masking tape on both side of grouting area to avoid staining.

2. Mixing:

- The whole material of PART A and PART B should be poured into a clean mixing container and mix it till uniform consistency obtained.
- Slowly add PART C and mix thoroughly by hand or slow speed mixer (< 350 rpm) until the required slump free smooth paste is obtained.
- Avoid entraining air by mixing at very high speed or by over-mixing.
- Immediately apply the mixed grout onto the working area.

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3. Application:

- Using a hard rubber squeeze/ grout floater, press the grout firmly into the joints.
- Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints so grout can go in the gap between the tiles. Ensure that joint is fully filled, and grout is not just stay on top.
- Work in a small area to have better control.
- Clean the excess grout from joints and surface by moving the squeeze diagonally to the grout ines.

4. Cleaning:

- Clean off the excess grout from the tile joints and tiles withing 30-40 minutes using wet sponge. Make sure cleaning doesn't damage the grouting.
- Tools and containers should be cleaned using water before the grout mixer hardened.

COVERAGE:

Square Feet per Kg.

Tile size (mm)	Tile Thickness (mm)	Grouting Width (mm)		
		2 mm	3 mm	5 mm
300 x 300	6	97.8	60.9	37.1
450 x 300	6	119.5	72.9	44.3
600 x 300	6	120.9	81.5	49.1
600 x 600	8	136.2	91.2	54.9
1000 x 1000	10	179.9	120.2	72.45

- Use below formula for calculating coverage:

$$\frac{(\text{Tile length} + \text{Tile breadth}) \times \text{Tile thickness} \times \text{Joint width} \times \text{Mixed Density}^*}{(\text{Tile length} + \text{Joint width}) \times (\text{Tile breadth} + \text{Joint width})} = \text{kg/m}^2$$

PACKAGING SIZE: 1 Kg, 5 Kg and 20 Kg

SHELF LIFE AND STORAGE:

24 months from the date of manufacturing when in sealed pack and stored under proper condition. Store in a cool & dry place between 5⁰ C to 40⁰ C in closed condition and away from direct sunlight.

HEALTH & SAFETY PRECASUTIONS:

Wear suitable protective clothing, gloves and eye protection equipment during mixing and application. In case of contact with skin, rinse with plenty of water. In case of contact with eyes, immediately rinse with plenty of clean water. Seek medical advice, if needed. Keep out of reach of children.

WARRANTY: The above information given based on our knowledge and performance of the material in order to help you in good faith. Every precaution is taken in the manufacturing of the product and our responsibility is limited to the quality of supplies. We guarantee the consistent high quality of our product; however, as we have no control over the site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result there of.

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