



## TECHNICAL DATASHEET

### 561 CEMENT-BASED TILE GROUT

#### DESCRIPTION:

NeoSeal® 561 is a Cement-Based Tile grout prepared with blend of Ordinary Portland Cement (OPC), graded fillers, special grade polymer additives and colour-fast pigments. It effectively fills the gaps between tiles and gives water resistant, durable, non-dusting tile joints. 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

#### TECHNICAL SPECIFICATIONS:

Properties	Test Results
Appearance	Fine Powder
Mixed Density	1.75 -1.80 kg/ litre
Mixing Ratio (Grout: Water)	100:40
Pot life @ 30°C	Min. 60 minutes
Joint Width	1-5 mm
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	7 Days
Available Shades	8 shades (White, Ivory, Dark Brown, Red, Dark Gray, Light Gray, Blue & Black)
<b>Performance Properties</b>	
Compressive Strength after 28 days	> 18 Mpa
Flexural Strength after 28 days	> 4 Mpa
Shear Adhesion Strength after 14 days	≥ 13.41 KN
Water Absorption at 30 Min.	≤ 2.5 g
Water Absorption at 240 Min.	≤ 4.5 g
Pull-off Adhesion Strength	≥ 1.5 Mpa (Concrete failure)

**NeoSeal Adhesive Pvt. Ltd.**

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## FEATURES & BENEFITS:

- Easy to use & clean. Just mix with water and ready to use
- Polymer modified - Crack free, low shrinkage & water resistance
- Suitable for various tiles and stones – All ceramic, vitrified tiles, granites etc.
- Available in wide range of attractive colours - Available in 8 colours (White, Ivory, Dark Brown, Red, Dark Gray, Light Gray, Blue & Black)
- Low VOC - For healthy living

## NOTE:

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.

## METHOD OF APPLICATION:

### 1. Surface Preparation:

- Ensure 24 hours 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:

- Take water in to the clean container/pail.
- Add grout powder slowly and mix thoroughly by hand or with a slow speed mixer (<350 RPM) until 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. Use the paste within 60 minutes from mixing.

### 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 lines.

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#### 4. Cleaning & Finishing:

- Clean off the excess grout from the tile joints and tiles within 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:

0.5 Kg., 1 Kg. and 20 Kg.

#### SHELF LIFE AND STORAGE:

12 months from the date of manufacturing when in sealed pack and stored under proper condition. Store in a cool & dry place between 5<sup>0</sup> C to 40<sup>0</sup> 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 thereof.

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