



Colour-lock+  
 Technology



JKCement TileMaxX Premium Epoxy Grout is a stain-free, three component tile grout, which is specifically designed for application on ceramic tiles, vitrified tiles and stones, which are prone to staining. JK Cement TileMaxX Epoxy Grout is available in 1 Kg and 5 Kg units and range of various vibrant colors.

### Area of Application

- Used for filling the joints of upto 12mm between ceramic tiles, vitrified tiles and stones.
- Industrial application and in high traffic areas.
- Institutional areas such as cafeterias, school, hospitals and theatres.
- Wet areas such as bathrooms, kitchens, sterilization rooms, swimming pools and restaurants.

### Key Benefits and Features

- Color fast
- Stain free
- Long pot life
- Easy to apply and water cleanable
- Chemical and heat resistant
- High strength
- Shrinkage free
- Abrasion resistant

### Typical Properties

Color	Available in standard colors	Resin Density	1.14 - 1.20 Kg/Litre
Pot Life	40 - 60 Minutes	Hardener Density	0.93 - 0.98 Kg/Litre
Cleanability Time	> 80 minutes	Powder Density	0.95 - 1.1 Kg/Litre

### Application Method

1. Tile joints must be clean, dry and dust free before application. Excess adhesive or mortar should be removed while tile fixing.
2. Ensure tile grouting is done at least 24 hours post tile fixing. Make sure that the adhesive is set and released its moisture.
3. Mix JK Cement TileMaxX Premium Epoxy Grout Part - A (Hardener) and Part - B (Resin) in desired ratio into a clean mixing pail.
4. Mix the components thoroughly with spatula or slow speed mixer (<300 RPM) until both are completely blended. Then add 3/4 th of the content of Part - C (Filler) and mix it slowly till a smooth homogeneous and lump-free paste is formed.
5. Avoid air entrapping by over mixing or mixing at very high speed.
6. Do not add water to the mix.
7. Mix should be applied directly to the joints using pallet knife/ plastic spatula. Spread the paste with sharp and a firm rubber grout float.
8. Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material
9. Ensure that joint is filled completely, and avoid excess grout on tile surface.
10. Cleaning of tiles can be done with sponge and shampoo solution after 45 minutes of grouting. Complete curing will be achieved in 7 days of application.
11. Remove all surface material by using a float diagonally to joints. Ensure the joints get filled properly and no grout should be left on top of the surface.
12. Protect from foot traffic for at least overnight period.

## Technical Information

Test specification requirement ANSI A118.3-1999, EN 13888, ISO 13007 Part-3				
S. No.	Test Property	Test Method	Specification	Typical Value
1	Color	NA	As per shade card*	NA
2	Mix density		-	1.7 - 1.8
3	Shrinkage	ISO 13007 part-4 : 2013	≤ 1.5 mm/m	1.0 - 1.3
4	Water absorption after 240 minutes	ISO 13007 part-4 : 2013	≤ 0.1 gm	0.05 - 0.06 gm
5	Abrasion resistance	ISO 13007 part-4 : 2013	≤ 250 mm <sup>3</sup>	100- 150 mm <sup>3</sup>
6	Compressive resistance	ISO 13007 part-4 : 2013	≤ 45 N/mm <sup>2</sup>	70 - 75 N/mm <sup>2</sup>
7	Flexural strength	ISO 13007 part-4 : 2013	≤ 30 N/mm <sup>2</sup>	30 - 34 N/mm <sup>2</sup>

\* Shade card is for reference of shade only. Actual shade may not match 100% with that in the shade card

**Packing :** Packing: Available in 1 Kg and 5 Kg units.

1 Kg packing: Pack - A, B & C are in bucket with standard colors

Pack-A Hardener 70 g

Pack-B Resin 180 g

Pack-C Filler 750 g

5 Kg packing: Pack - A, B are in bucket and Pack- C in carton with standard colors

Pack-A Hardener 350 g

Pack-B Resin 900 g

Pack-C Filler 3750 g

**Coverage :** Depends on the depth and width of joint. Consumption can be calculated by formula

$$\text{Grout consumption in Kg/m}^2 = \frac{(\text{length of tile} + \text{width of tile}) \times \text{depth of joint} \times \text{width of joint} \times \text{density}}{(\text{length of tile} + \text{width of joint}) \times (\text{width of tile} + \text{width of joint})}$$

### Storage and Shelf Life:

Original unopened packaging stores in dry condition has a shelf life of 24 months from the date of manufacturing. Storage above 35° celsius and high humidity above 65% will reduce the shelf-life of product.

### Precautions During Usage:

- During cold weather, protect finished work from traffic until fully cured.
- Avoid contact with eyes and prolonged contact with skin as it may cause irritation.
- In case of contact, flush thoroughly with water.
- Avoid breathing dust.
- Wear a mask and gloves during mixing.
- Keep out of children's reach.

### Disclaimer :

- Light colors may darken slightly from direct UV exposure.
- Stain resistance is achieved in 10 days at 21°C.
- JKCement TileMaxX is not responsible for any additional damages or consequential damages, including loss due to delay, incurred by the purchaser of any party.

*Note : It is always advisable to keep 10% additional material considering wastage and spillage.*