



3K E

3K Epoxy Tile Grout

Pack Size
5 Kgs

TDS Technical Data Sheet



Product Description

3K Epoxy Stainfree Grout is a high-performance epoxy grout specifically designed for use in applications where ceramic tile, vitrified tile, and stone are exposed to potential staining. This grout is stain-resistant, color-fast, and provides a durable, non-cracking finish. It is easy to apply and clean, making it ideal for various demanding environments.

Application

3K Epoxy Tile Grout is suitable for a wide range of applications, including institutional kitchens, cafeterias, restrooms, swimming pools, and schools. It is designed for use on ceramic tiles, vitrified tiles, and natural stone surfaces, offering superior performance in areas where high resistance to staining and chemicals is required.

Advantages

3K Epoxy Tile Grout offers numerous benefits, including stain resistance, color fastness, and ease of installation and cleaning. It is resistant to chemicals and temperature fluctuations, and its non-cracking formulation ensures a long-lasting finish. The grout is also water-cleanable when fresh and is available in a variety of attractive colors.

Packaging Components

3K Epoxy Tile Grout is provided as a factory-proportioned kit containing Resin (Part A), Hardener (Part B), and colored filler powder (Part C).

Unit Sizes

1/5 Unit: 1.0 kg 1 Full Unit: 5.0 kg

Coverage

Coverage depends on the size of the tile, joint width, and depth. Please refer to the coverage chart for specific details.

Shelf Life

Factory-sealed containers of this product are guaranteed to be of first quality for two years if stored at temperatures between 32°F (0°C) and 110°F (43°C).

Cautions

During cold weather, protect finished work from traffic until fully cured. Until cured, 3K Epoxy Tile Grout may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water. Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust and wear a respirator in dusty areas. Keep out of reach of children.

Technical Data

Applicable Standard: ANSI A118.3-1999; EN 13888

Physical Properties

Water Cleanability:	>80 min (ANSI A 118.3)
Water Absorption:	0.4% (ANSI A 118.6)
Initial Setting Time:	180 min (ANSI A 118.3)
Service Setting Time:	<7 Days (ANSI A 118.3)
Linear Shrinkage:	< 0.10% (ANSI A 118.3)
Sag:	No change (ANSI A 118.3)
Bond Strength to Quarry Tile:	> 1200 psi (8.2MPa) (ANSI A 118.3)
Compressive Strength:	>7500 psi (51.7MPa) (ANSI A 118.3)
Tensile Strength:	>1500 psi (10.3 MPa) (ANSI A 118.3)
Thermal Shock:	>1100 psi (7.5MPa) (ANSI A 118.3)
Working Properties at 70°F (21°C)	Pot Life: 45 minutes Foot Traffic: 24 hours Heavy Traffic: 72 hours

Installation

Surface Preparation: Ensure that grout joints are clean, free of debris, and lightly sponged to remove dust and dirt. Do not clean tiles with acid cleaners. Substrate temperature should be between 60°F (16°C) and 90°F (32°C).

Mixing:

Empty the entire contents of 3K Epoxy Tile Grout Part "A" and Part "B" into a clean mixing pail. Mix thoroughly with a margin trowel or slow-speed drill mixer until the liquids are completely blended. Add at least half of Part "C" Filler Powder and mix to a uniform consistency. The mixture should be as stiff as possible to work into the joints.

Application: Pour the mixed grout onto the working area immediately. Use standard epoxy grouting techniques to work the grout into tile joints. Ensure all grout joints are packed full. Remove as much excess material as possible before initial cleaning with a grout float.

Cleaning: After 30-45 minutes, scrub the tile surface and joints with clean water and a scrubber to remove excess grout. Drag a clean, thick towel across the tile to remove any residue. Perform a final cleaning within 24 hours using a normal soap detergent to remove any haze from the tile.

Storage Conditions

Store in a properly ventilated room at a maximum temperature of 25°C. Storage above this temperature may reduce the shelf life. The shelf life of the product is 12 months in the original unopened sealed condition.

Pack Size

5 Kgs



Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.