



## Roka Epoxy Grout

### Epoxy Resin Flow-able Grout

Roka Epoxy Tile Grout is a 3 component, epoxy tile grout, based on a 100% solids epoxy resins & specially graded aggregates. Roka Tile Grout has excellent flow, high strength and chemical resistance and is formulated to withstand dynamic loading and high bearing and is easier to place in narrow configurations and between ceramic tiles.

### Uses & Advantages:

- Rapid strength gain.
- Self-priming & excellent adhesion to ceramic tiles.
- Resistant to oil, synthetic lubricants & many other chemicals.
- High resistance against abrasion impact and vibration.
- Excellent flexural, tensile, and shear strength.
- High mechanical strength
- Withstands prolonged elevated temperatures.

### Areas of Application:

- Roka Epoxy Tile Grout is used in areas that require:
- High vibration and temperature resistance.
- Areas with extreme thermal variations.



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- Maximum bearing support.
- Under large base plates in narrow configurations.
- Dynamic loading conditions.

## Technical Data:

Component	Base + Hardener + Filler
Chemical Base	Epoxy Resins
Viscosity Mixed Grout	Fluid
Pot life (25°C)	40 mins
Substrate Temperature	5°C - 40°C
Tensile Strength (ASTM C307-83)	14 MPa
Impact Strength	Superior to concrete
Shear Strength	20.62 MPa
Compressive strength 1 day (25°C)	60 MPa
Compressive strength 7 days (25°C)	110 MPa
Abrasion resistance	Superior to concrete
Flexural strength	29.50/mm <sup>2</sup>
Water Absorption	0.025%
Linear Shrinkage (ASTM D-531)	0.00051 in/in
Coefficient of thermal expansion (ASTM C531- 95)	5.65 x 10 <sup>-5</sup> / °C



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Shelf Life	12 months
Packaging	10 kg (Base 2.2 kg, Hardner 0.8 kg, Filler 7 kg)

### Surface Preparation:

Joints must be dry, sound and free from dust, grease, oil and loosely adhering particles. Any remaining tile adhesive must be removed.

### Mixing:

Mix all of part B (hardener) with all of part A (base) for at least 5 minutes with a low-speed electric drill (250 rpm) until a smooth consistency is achieved. Then add all of part C (aggregates) and continue mixing until a homogeneous mix is obtained. Allow to stand for approximately 3 minutes to allow entrapped air to escape.

### Remarks:

- Do not add water to any of the components.
- Do not attempt to use random mixing ratios of the two product components.
- Do not use the product after it has started to set.
- Prepare a fresh mixture.
- Use suitable protection equipment while handling and applying the product.



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## Formwork:

Due to the flowable consistency of Roka Epoxy Grout, seal the forms to prevent seepage.

Apply wax to forms or use other bond breaking materials to prevent adhesion of epoxy grout.

## Curing:

Roka Epoxy Tile Grout is self-curing.

## Cleaning:

Roka Epoxy Tile Grout can easily be cleaned with solvents like thinner, xylene etc before it cures.

## Curing:

The application must be protected from direct sunshine for at least 24 hours.

## Cleaning:

Clean the tools and adjacent area with Roka Thinner or Roka Xylene before it cures. The cured material can only be removed mechanically.

## Packaging:

Roka Epoxy Tile Grout is supplied in 10 kg cartons. One carton of Roka Epoxy Tile Grout comes with 7 Kg filler, 2.2 Kg base and 0.8 Kg hardener.



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## Health and Safety:

Roka Tile Grout is corrosive in nature. If any material comes in contact with the skin, it can cause skin irritation, sensitization or chemical burns. Use of proper safety equipment like safety gloves and goggles is recommended while application.

## Important Note:

The information provided in this data sheet is based on ongoing development efforts and extensive field experience. While we strive to ensure the accuracy and reliability of the information, we cannot assume responsibility for any work performed using our materials, as we have no control over application methods, site conditions, and other factors. Due to ongoing research and development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

All products are sold under our standard conditions of sale, which are available upon request. Any field services offered do not imply supervisory responsibility. For further information, please contact your local representative of Roka Chem Solutions.



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