



## Roka Epoxy Mortar 550

### Two Component, Epoxy Based, Thixotropic, Non-Sagging Repair Mortar

Roka Epoxy Mortar 550 is a thixotropic, structural 2-component adhesive and repair mortar, based on a combination of epoxy resins and special fillers.

#### Uses & Advantages:

- Thixotropic nature makes it ideal for overhead and vertical works.
- Supplied in factory proportioned units making it easy to mix and apply.
- Easily installed by gloved hand.
- Non slump.
- High tensile and flexural strength.
- High early strength.
- Excellent adhesion to most construction materials even when damp.
- Resistant to oils, fuels, water, and dilute chemicals.
- High abrasion resistance.
- Does not require priming.

#### Areas of Application:

- Bedding bridge beams or steel bridge bearings.
- Securing bolts and grouting steel bars on vertical as well as horizontal surfaces.



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- As a structural adhesive and mortar for ceramics, fiber cement, concrete elements and masonry.
- Repairing honeycombing in horizontal, vertical or overhead situations.
- As a repair mortar for holes and void filling.
- As a gap filling adhesive.
- Bedding and grouting of tiles.
- Joint and crack arris / edge repair.

### Technical Data:

Color	Concrete Grey
Consistency	Thixotropic Paste
Coverage	~1.71 kg/m <sup>2</sup> /mm
Pot life	1 hour & 45 minutes at +25°C 45 minutes at + 40°C
Working Temperature	> 5°C
Ambient Temperature	+10°C to +45°C
Substrate Temperature	+10°C to +45°C
Substrate Moisture	Substrate must be dry or mat damp
Content	
Tack Free time	7 hours at +25°C



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	2 hours & 30 minutes at +40°C
Initial Curing time (25°C)	8-12 hours
Full Curing time (25°C)	7 days
Flexural strength at 25°C (BS 6319)	23.2 N/mm <sup>2</sup> (7 days)
Compressive strength at 25°C (BS 6319 part 2)	61 N/mm <sup>2</sup> (7 days)
Packaging	6 kg units
Shelf life	24 months when stored in original packing at +25°C away from direct sunlight
Storage Conditions	Store in original, unopened, sealed and undamaged packaging in dry conditions at temperatures between +5 °C and +25 °C.  Protect from direct sunlight.

## Substrate Preparation:

The substrate surface (all types) must be clean, dry or mat damp (no standing water) and free from contaminants such as dirt, oil, grease, existing surface treatments and coatings etc. Substrates must be sound, dry or mat damp. Mortar and concrete must be older than 28 days.



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## Mixing:

The 6 kg pack has been designed to be readily mixed by trowel/spatula etc. Where more than one pack is to be mixed at a time, a portable mixer is suitable.

## Application:

When using a thin layer adhesive, apply the mixed adhesive to the prepared surface with a spatula, trowel, notched trowel, or with hands protected by gloves. The surface may be finished smooth by use of a water dampened paint brush or steel trowel.

If the repair size is too big to fill in one placing, leave the contact surface rough to act as a key for subsequent placing once the first application has set.

## Cleaning:

Clean all the equipment used with Roka Thinner or MEK immediately after use. Hardened or cured material can only be mechanically removed.

## 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



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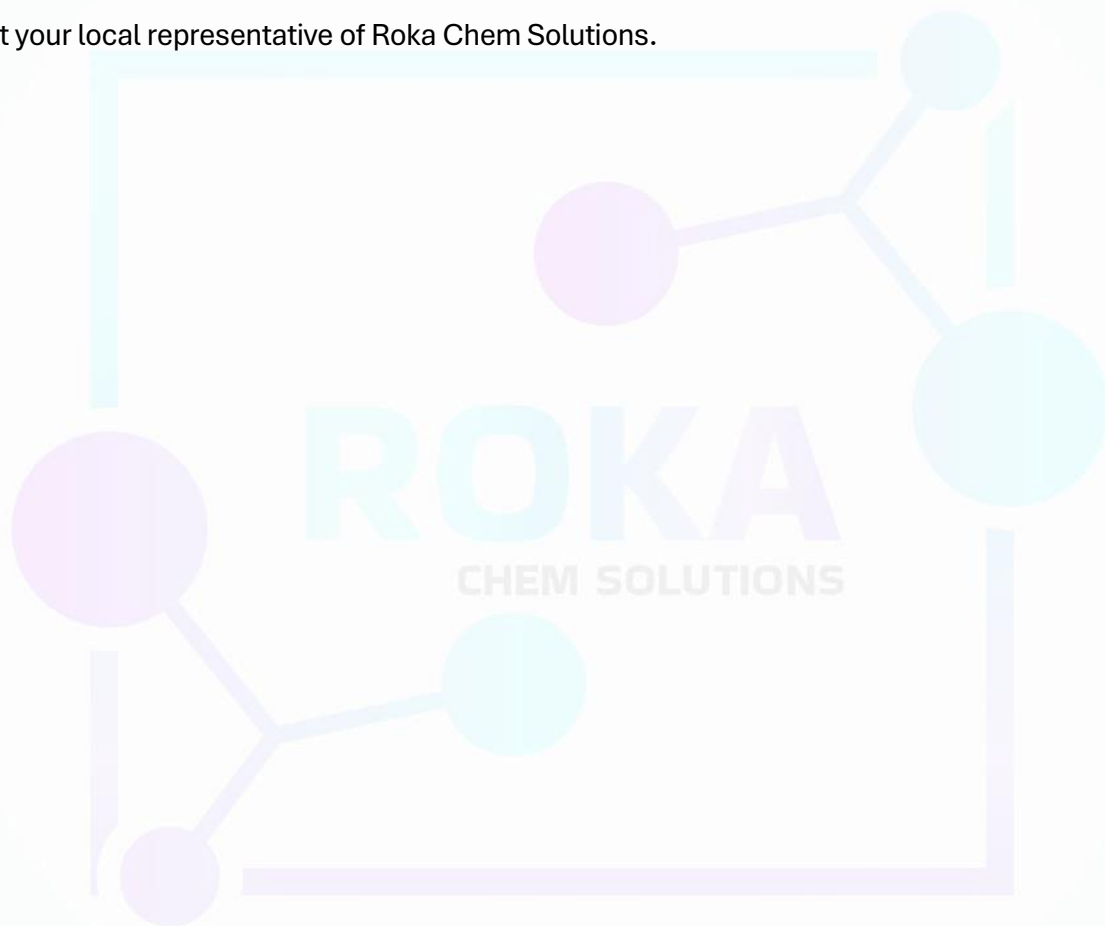


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development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

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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