



Roka Anchorbolt

Two Component Epoxy Resin Based Anchoring Grouts for Anchors and Dowels

Roka Anchorbolt is a two-component epoxy resin-based system for anchoring fixings into concrete with high strength and excellent adhesion.

Uses & Advantages:

- Easily applied.
- Solvent free.
- High Strength.
- Excellent Adhesion.
- Low Wastage.

Fields of Application:

Roka Anchorbolt can be used as an anchoring adhesive for all grades of reinforcement steel, threaded rods and special fastening systems in the following substrates.

- Concrete.
- Steel.
- Masonry.
- Hard Natural Stone.



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- Solid Rock.

Technical Information:

Color (Mixed Material)	Grey
Pot Life at 20 °C	35 minutes
Initial Cure	24 hours
Full Cure	7 days
Bond Strength	Superior to Concrete
Impact Resistance	Superior to Concrete
Abrasion Resistance	Superior to Concrete
Compressive Strength (50mm cubes at 20 °C)	1 Day: 42 N/mm ² 3 Days: 74 N/mm ² 3 Days: 90 N/mm ²
Creep Data	3 Days: 2.8x10 ⁻⁴ mm/mm 7 Days: 2.9x10 ⁻⁴ mm/mm 28 Days: 4.0x10 ⁻⁴ mm/mm
Flexural Strength	1 Day: 24 N/mm ² 3 Days: 25 N/mm ²



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	7 Days: 26 N/mm ² 28 Days: 29 N/mm ²
Tensile Strength	3 Days: 14 N/mm ² 7 Days: 14 N/mm ² 28 Days: 14 N/mm ²
Co-efficient of Thermal Expansion	2.6x10 ⁻⁵ mm/mm/°C
Chemical Resistance	Excellent resistance to most chemicals
Storage Conditions	Must be kept in unopened, original packaging

Surface Preparation:

Before the application, the surface must be properly cleaned. The surface must be free from any foreign contaminants like oil, grease etc. that might hinder proper adhesion and application of Roka Anchorbolt.

Mixing Process:

Mix the hardener to the base and mix for 3 to 5 minutes using a drill and suitable paddle attachment. Ensure to mix thoroughly to achieve an even streak free grey color. Only mix enough material that can be used within the setting time.



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Application:

Roka Anchorbolt can be applied using a spatula, trowel or gun depending on the application.

Avoid wastage by using all the mixed material within 15 minutes of mixing. A large volume of epoxy product may exotherm and set prematurely if not used immediately.

Curing

Roka Anchorbolt is suitable for light loads after 24 hours. Full cure takes 7 days.

Health and Safety:

Roka Anchorbolt should be handled with care. Safety equipment such as goggles and gloves should be worn. Repeated contact with epoxy resins and hardener can cause sensitization in some people. In case of contact with eyes or skin immediately wash with soap and plenty of clean water and seek medical assistance.

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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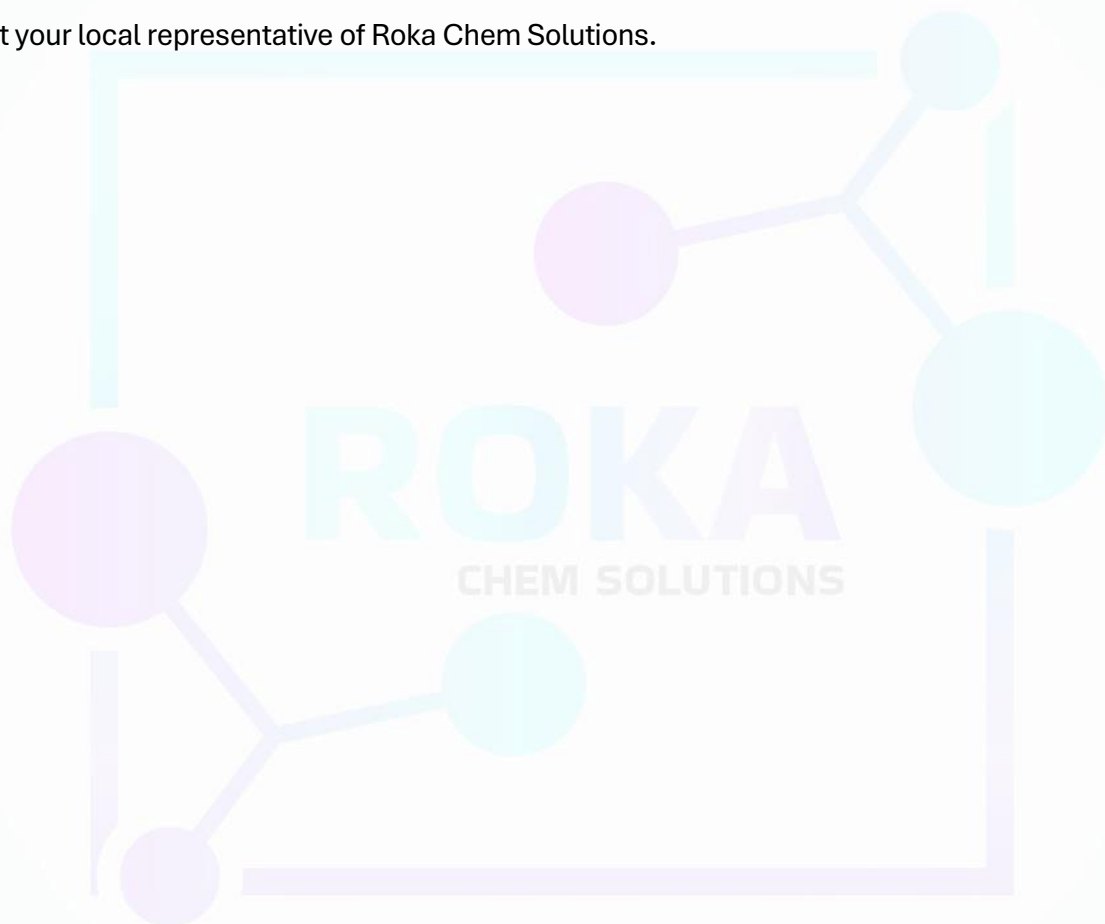


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development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

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