

COSTAR EPOXY CONCRETE REPAIR MORTAR

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Costar Shrink-Free Epoxy Concrete Repair

Description

COSTAR EPOXY CONCRETE REPAIR MORTAR is a solvent-free repair mortar with low viscosity. It is a two-component solution, which consists of rapid curing resin based mortar and primer for coating. And appropriate for different ranges of civil works where highly penetrating material is required. Its non-sag property makes it suitable for vertical repairs. Suitable for the repair and filling of cracks up to 6mm wide in a construction works, varying from concrete, bricks, stucco, stone, concrete blocks, tile and other substrates, likewise, provides long-lasting repair for worn-out concrete. For aesthetic finishes, it can be painted or coated to achieve the desired appearance after tack free (approximately 3 hours).

Features

- Stands up to heavy traffic and many chemicals
- Does not shrink or crack
- High tensile strength
- For repairing eroded or damaged concrete, bay edges and broken steps
- Easy all-in-1 packaging
- For interior and exterior use

Instructions for Use

- **Surface Preparation**
Concrete and stone surfaces should be dry and free from previous coatings, contaminants and loose material. Very smooth concrete or concrete with soft laitance should be etched. Grease or oil should be removed and the area thoroughly washed off and allowed to become completely dry.
- **Mixing**
The pack includes a granular resinous material (Part A-Resin) and curing agent (Part B-Hardener).
Mix the granular resinous material with the curing agent on a board. It is important that mixing should be carried out very thoroughly.

Product Preparation

- **Application & Thinning**
Trowel vigorously over the prepared surface. Final leveling should be carried out with a steel float. To prevent 'drag' it is advisable to wipe the blade of the tool frequently with a rag moistened (but not saturated) with white spirit. The working life of the mixed product is half to one hour depending on temperature. If the product is used past its working life, trowelling will become difficult and adhesion reduced.



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Technical Data

Density	1.7kg/l
Solid Content in Volume	1
Solid Content in Weight	1
Compressive Strength	55.2MN/N ²
Tensile Strength	15.4MN/N ²

RECOMMENDED THICKNESS: 5 - 50 mm

CONSUMPTION

Theoretical Consumption: 1-2 m² at 5 mm thickness per 10 kg.
 Practical Consumption: Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application.

Packaging

20Kg

Shelf Life

Protect from freezing and contamination. Shelf life in unopened, original containers is 18 months, when stored at 40°F to 90°F unopened in dry storage

Precaution

Do not thin with solvents, as this will prevent cure. Do not use for repairing cracks that are subject to movement until the cause has been addressed. Do not apply in areas where service temperatures may reach 140°F (60°C) or higher. Do not attempt to force material through a mixing nozzle that contains hardened material; material may splatter. If a leak should develop, discontinue use immediately. Proceed with new cartridge and nozzle.

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Handling Precaution

- Do not apply more than the recommended amount.
- Do not leave puddles. If puddles form on textured surfaces, use a brush to remove them.
- When used as a curing compound, do not apply to finished concrete surface too quickly. Under typical conditions, the proper application time will be 4-6 hours after placing.
- When used as a curing compound in hot, windy weather, the proper application time will be reduced to as little as 2-3 hours after placing.
- Wait at least 10-12 hours in cool weather. Apply after finishing and when surface water has been reabsorbed.
- Do not apply if rain, heavy dew or temperatures below 50oF (10oC) are expected within 24 hours. Keep from freezing during storage.
- Do not cover surfaces treated with COSTAR EPOXY CONCRETE REPAIR for at least 24 hours after application.
- Avoid Contact with eyes and skin
- If skin contact occurs, wash skin thoroughly
- Wear Protective gloves and eye protection during work
- If In eyes, hold eyes open, flood with warm water and seek medical attention immediately

Warranty

The information and recommendations relating to the application of Costar products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the stated recommendations in the product datasheets. Whilst Costar endeavors to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it. The user of the product must test the product's suitability for the intended application and purpose. Costar reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request

