TRI- MORTAR P

Epoxy mortar for tile grouting.



Description

TRI- MORTAR P is a three-component solvent-free mortar comprising part A and part B and selected filler (part c).

The three components after mixing will reach a consistency which gives excellent bedding, troweling and gunning properties.

Standard compliance

- EN12004-1 (RG2)

Typical uses

Chemical resistance mortar designed for pointing between acid resistance bricks and sornaga tiles. It is used in sewers, culverts, manholes and related structure.

Advantages

- Chemical resistance: unaffected by a wide range of acids, alkalis and industrial chemicals.
- Ease of application: it is formulated to allow application by trowel or knife.
- High bond strength: has a good chemical and physical bond to all substrate including bricks and tiles.
- Highly resistance for high concentration of acids.
- Long pot life: allow for long working time.
- Solvent-free: so it is low hazards.

Technical Data @25 c°

Density	1.8 gm/cm3
Mixing ratio	1.54 A: 1B: 9C
Pot Life	20 -30 min.
Initial Setting time	9 hours
Final cure	7 days
Compressive strength	80 N/mm2
Density	1.8 gm/cm3
Chemical resistance	
Bleach	excellent
Detergent	excellent
Saturated sugar	excellent
Sodium chloride 50%	Sodium
hydroxide 10 %	excellent
Sulfuric acid 50%	excellent
Hydrochloric acid 30%	excellent

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ISO 45001 ISO 14001 ISO 9001

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Directions for use

Surface preparation

The surface should be clean, sound and free of dirt, dust, grease and oil. The material can be applied to either dry or moist surface however any free standing water should be removed prior to application.

Mixing

Tri-Mortar P is supplied in pre-measured components. To mix, stir liquid components individually then pour into a clean pail, mix thoroughly with a suitable forced action mixer until uniform consistency has been reached, slowly mix the powder filler into the premixed liquid until a uniform consistency is achieved.

Tri-Mortar P can be applied either by pointing trowel or using a hand gun or knife The joint should be slightly overfilled and tool to obtain a smooth dense finish.

Note:

The epoxy compound should be applied only when the substrate temperature and ambient temperature is above 5°c.

For more details review the Tri-chem's application methodology

Coverage

TRI- MORTAR P (As a tile adhesive : 7 - 8 kg per m2)
(As a grouting : according to joint dimensions (L = 1.8 Kg)

Package

- **TRI- MORTAR P** : Pack - 7.5 kg

Shelf Life

12 months in normal temperature and closed shaded dry area in undamaged original packing

Cleaning

After application remove the excess material using a wet and clean cloth .
All tools and equipment with water immediately.

Storage conditions

- Store the material in a cool, dry and covered place.
- Temperature should not exceed 35 °C.
- Do not expose the pails to direct sunlight and keep away from all sources of heat.

Sustainability and environmental accountability

- TRI-CHEM's Environmental sustainability is the accountability to conserve natural resources and protect global ecosystems to support health and well-being for this a more positive approach is that accountability guides the actions of power-holders towards more socially and environmentally sustainable results.

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Health and safety responsibility

•Workplace health and safety is all about sensibly managing risks to protect TRI-CHEM's workers and business.
•ISO 45001 is a systematic health and safety management is characterized by strong leadership involving managers, workers, suppliers, contractors and customers and also health and safety management is an essential part of the movement towards sustainable development.
•Spillages should be washed down immediately.
•PPE in accordance with the health and safety rules should be used during the materials application.
•For irritant effects of the non-cured material, avoid contact with skin and eyes during storage and application.

Technical support

- For any technical support, please contact TRI-CHEM technical office or representatives.

Institutional Excellence and quality performance

•Institutional excellence in TRI-CHEM refers to achieving high levels of performance, quality and effectiveness in all aspects of TRI-CHEM company's work, it involves a systematic and continuous effort to improve an organization's performance by applying best practices, innovative approaches and evidence-based strategies, institutional excellence spans various areas, such as training , research, innovation, community engagement, governance, management and sustainability, and involves setting high standards, measuring performance against these standards and continuously improving performance to meet or exceed these standards, excellence in TRI-CHEM also includes a culture of continuous improvement and learning, where everyone in the organization is committed to achieving the organization's goals, working together to find solutions to challenges and opportunities, and requires a collaborative approach that includes all stakeholders.

Disclaimer

• While TRI-CHEM guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control.
•TRI-CHEM is recommended to verify with TRI-CHEM that the product is suitable for the intended use, and that this data sheet version is the latest one.
• TRI-CHEM may modify it without prior notice and technical characteristics are listed for guidance only.
• Any specification, recommendation or information mentioned in this product data sheet is (to TRI-CHEM's best knowledge) true and reliable.
• However, because TRI-CHEM has no influence on the application method of these products and the care taken, the company cannot accept any liability arising from the use of its products. TRI-CHEM's warranty is therefore limited to the quality of the materials supplied which are guaranteed against defective materials.

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