

PIOMORTAR TT



Two components thixotropic high-quality solvent-free epoxy resin mortar

DESCRIPTION

PIOMORTAR TT is a two-component, non-sag, epoxy resin-based mortar. It is designed to be high resistant to all known industrial chemicals. It has wide range of applications. **PIOMORTAR TT** is ideal to be used for lining and repair works. It could be used for chemical resisting bricks, tiles fixations and joint grouting. **PIOMORTAR TT** can be applied from feather edge up to 5 mm thick layer one-go application.

USAGES

- Used to seal over cracks & filling voids
- Lining and repair of ductile pipes
- Fine repair of concrete columns & beams
- Repair of chemical tanks
- Fixing and bedding of tiles, dowel bars and anchor bolts

ADVANTAGES

- Multipurpose
- Solvent free
- Abrasion and chemical resistant
- Self-priming
- Long pot-life
- Non-sag and non-shrinking
- Has a wide range of thickness application
- Easy application, two-component
- High mechanical characteristics

TECHNICAL DATA

PIOMORTAR TT

Mixed Appearance

Solid Content

Mixed Density @30°C
(ASTM D1475)

Pot life @30°C
(ASTM D2471)

Touch Dry @30°C
(ASTM D2471)

Hard Dry @30°C

Full Cure @30°C

Adhesion to Concrete
(ASTM D4541)

Compressive Strength
@day 7

Typical values

Grey paste

100%

1.65 ± 0.05 kg/lit

40 ± 5 min

6 hours

18 hours

7 days

> 5.0 N/ N/mm²

> 80 N/mm²

USAGE INSTRUCTIONS

1. Surface preparation

All substrates shall be sound, clean, free from dust, grease & oil, dirt, the concrete wet substrates should be sponged-dried to remove all free surface water.

All steel substrates should be free from dirt, oil, rust, grease, it is recommended to blast-cleaning using Sa 2/1/2 as per EN ISO 12944, Part 4.

Concrete surfaces particularly if new; should be fully cured with a maximum residual relative humidity (RH) of 75%.

2. Priming

No primer needed before using **PIOMORTAR TT**.

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Coverage

PIOMORTAR TT

0.2-0.5 kg/ m²

All coverage rates given are theoretical and subject to actual site condition. We recommend trial areas are done to establish a practical consumption.

3. Mixing

Stir component A only separately, then the entire content of component B could be poured into the base container, both should be mixed for a minute at least using mechanical mixer (a small drill mixer). Insufficient mixing may lead bubbles formation or delay in hardening.

4. Application

Apply mixed **PIOMORTAR TT** to the substrate with a spatula or a trowel as per the required application space.

Layers up to 5 mm thickness may be built, compact **PIOMORTAR TT** tightly to ensure maximum substrate adhesion and density. The finished surface may be smoothed by using paint brush or trowel.

If **PIOMORTAR TT** is used as an adhesive for bricks or tiles, the fixed object should be gently pressed to the substrate to assure high adhesion.

In case **PIOMORTAR TT** is required to be applied in layers thicker than 5 mm, layers should be either scratched or broadcasted by coarse sand to achieve a mechanical key for the second layer.

5. Cleaning

Tools contaminated with **PIOMORTAR TT** can be cleaned using a suitable thinner, hardened material can be removed by mechanical means.

PACKAGING

PIOMORTAR TT is supplied in 5 kg set, component A & B.

HEALTH & SAFETY

Before applying **PIOMORTAR TT**, all safety protections should be worn during application, such as safety goggles and rubber gloves to avoid any harmful accidents.

If **PIOMORTAR TT** is splashed to skin, it must be washed off by water and soap at once, and if to the eyes seek medical attention immediately.

STORAGE & SHELF LIFE

PIOMORTAR TT shall be stored in its sealed container under dry and shaded place in a temperature from 10°C - 35 °C, shelf life of the material is 12-months.

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation. Please contact us via our website arkaz.com

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