



### Description

Cementitious, polymer reinforced rendering and repair mortar.

### Fields of Application

- Smoothing walls prior to restoration, ceramic tiles installation and painting.
- Smoothing and filling hairy cracks on the surfaces of foamed cement, concrete, brick walls.
- Repairing old, damaged renders, concrete up to 1-10 mm.

### Properties

- High adhesion strength.
- Smooth and solid surface.
- Resistant to freeze and thaw.
- Applicable up to 1-10 mm thickness.
- Easily applicable.

### Preparation of Substrates

- The substrates must be dry, clean and solid.
- The substrates to be coated should be free of adhesion preventive foreign substances such as dust, dirt, mould oil, paint etc.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- Before application, the surface should be dampened or primed with Kalekim Astar (Primer) for better results.
- Exposed concrete surfaces should be primed with Kalekim B-tone.

### Application

- Pour Tamirart 5 slowly on the of clean water specified in the technical table and mix to obtain a homogeneous paste free from lumps. A low speed mixer is recommended to mix. Do not add any additive which is not mentioned in the instructions for the application.
- Allow the mortar to stand for 5-10 minutes to mature. After 1-2 minutes of remixing, the paste is ready for application.
- Apply mortar with a rendering machine flat trowel with a firm pressure to ensure a good adhesion and should be applied not exceeding 5 mm on the surface.
- The surface should be glazed with a damp sponge.

### Post-Application Protection & Suggestions

- When applying on walls directly exposed to sun or wind, it is advisable to wet the surface of Tamirart 5 for the following 24 hours after application.
- The product should be used within 60 minutes. Weather conditions such as high temperature, low humidity, and wind may shorten this period.
- Dispose mortars of which pot life is expired.
- Clean tools and hands with water after application.
- The consumption values in the table refers to an average consumption amount. It may vary depending on the application conditions and surface properties.
- Since it contains cement, it irritates the eyes, respiratory system and skin. For further information refer to the safety data sheet.

### Storage

- Packages should be kept dry and cool at between +5°C and +35°C in moisture free conditions. Avoid direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Maximum 3 pallets should be stacked on top of each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned storage conditions.



#### Packaging

- 25 kg multi-ply paper bags.

#### Quality Certificates



Non-structural repair mortar conforming EN 1504-3 / Class R2.

#### Technical Properties

(at 23 °C and 50% RH)

#### General Data

Appearance	Grey powder
Shelf Life	12 months when stored in the original sealed packing in dry place.

#### Application Data

Application Temperature Range	(+5°C) - (+35°C)
Mixing Ratio	4.25 – 5.25 liters water / 25 kg powder
Pot Life	Min. 60 minutes
Application Thickness	1-10 mm (for single layer)
Consumption	1.40 kg/m <sup>2</sup> (per 1 mm thickness)

#### Performance Data

Compressive Strength (EN 12808-3)	≥ 15.0 N/mm <sup>2</sup> (28 days)
Flexural Strength (EN 12808-3)	≥ 4.0 N/mm <sup>2</sup>
Tensile Strength (EN 1542)	≥ 1.0 N/mm <sup>2</sup>
Restrained Shrinkage/Expansion (EN 12617-4)	≥ 0.8 N/mm <sup>2</sup>
Capillary Water Absorption (EN 13057)	≤ 0.5 kg/m <sup>2</sup> h <sup>0.5</sup>
Service Temperature Range (after final cure)	(-30 °C) – (+80 °C)
Release of Dangerous Substances	See SDS.
Reaction to Fire (EN 13501-1)	A1

Please Note: All suggestions and application instructions herein are based on our latest technical experience. Due to a wide variety of individual application conditions, the user alone is responsible for any consequences deriving from the use of the product.