



SERAMORTAR 100 (C1TE)

SINGLE COMPONENT, CEMENT BASED, THIXOTROPIC CERAMIC ADHESIVE MORTAR

- Prolonged working time
- Non-sagging

DESCRIPTION

SERAMORTAR 100 is a cement based, flexible, water and moisture resistant adhesive mortar that can be safely used in glazed, ceramic, glass mosaic and porcelain tile applications.

TYPICAL APPLICATIONS

- Internal and external applications,
- Walls and floors,
- Tiling works (ie: ceramic, glass mosaic),
- Concrete and cement based surfaces, drywall and gypsum plaster.

ADVANTAGES

- Water and frost resistant.
- Longer pot life provides ease of use.
- Can be applied on cured concrete, screed and cementitious surfaces.
- Prevents fungi formation.
- Non-flammable.
- Thixotropic.

TECHNICAL PROPERTIES

Color: Grey, White

Physical State: Powder

Mortar Density: 1.70 ± 0,05 g/cm³

Application Temperature: +5°C to +35 °C

Pot Life: max. 3 hours

Smoothing Time: max. 20 min.

Time Required For Grouting: min. 24 hours

Available For Traffic in: min. 48 hours

Service Temperature: -30 °C to +80 °C

Initial High Tensile Adhesive Strength (TS EN 1348): ≥ 0,5 N/mm²

High Tensile Adhesive Strength After Immersion In Water (TS EN 1348): ≥ 0,5 N/mm²

High Tensile Adhesive Strength After Thermal Aging (TS EN 1348): ≥ 0,5 N/mm²

High Tensile Adhesive Strength After Frost-Thaw Cycles (TS EN 1348) : ≥ 0,5 N/mm²

Tensile Adhesive Strength After Prolonged Open Waiting Period (TS EN 1346): (after at least 20 min.) ≥ 0,5 N /mm²

Sagging (TS EN 1308): ≤ 0,5 mm

The values above are valid for 23 °C and 50% relative humidity.

Reference Standards

In compliance with TS EN 12004 / C1TE standards.

Public Works Pos. No: 04.013/1

DIRECTIONS FOR USE

SURFACE PREPARATION

- Application surface should be smooth, clean and free from dirt, oil, dust, paint, detergent, etc. It is recommended to dampen the surface with water if the product is applied on surfaces subject to sunlight and wind.

MIXING

- Mix 25 kg of **SERAMORTAR 100** with 6 to 6.5 lt (24 to 26%) of water using a low speed mixer for 3 - 5 minutes until a lump-free, homogeneous mixture is achieved. Rest the mixture for 1 - 2 minutes, and then mix again before use.
- The mixture should be applied within 3 hours; mortars passed their expiration dates should not be used again by adding water and powder. If application is suspended, stir again before use.

APPLICATION

- In order to obtain a decent bonding surface, **SERAMORTAR 100** should first be distributed onto the surface using the flat side of the trowel and then chiseled with a 45° angle between the toothed side of the trowel (which should be suitable for the tile size) and the surface.
- The tile should be pounded lightly with a rubber mallet to achieve firm adhesion and to allow firm fixing behind the tile.
- If applied on walls or large ceramic tiles, apply adhesive on the back of each tile and firmly press the coating material into the adhesive on the surface. If notched coatings are used, it is required to apply the compound until the notch depth is filled.
- The compound should be applied by leaving joint surfaces, and any residues should be cleaned from ceramics and joint surfaces before full cure.
- For vertical and horizontal applications, wait at least for 24 hours once the tiles are affixed.
- On gypsum plaster boards, **REBOND PORO** should be applied as surface primer before the application.

WATCHPOINTS

- Do not apply on metal surfaces.
- Recommended water ratio should never be exceeded.
- If applied on existing tiles, the surface should be primed with **REBOND SOLID**.
- Apply **FIXCRETE 300** or **FIXCRETE 200** as waterproof coating before fixing tiles in wet areas (bathrooms, showers, toilets, etc).
- Do not apply on frozen and thawing surfaces or surfaces that could be subject to frost or rain within 24 hours.

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CONSUMPTION

120 cm², 6x6x6 mm:

Single-sided fixing 3-4 kg/m²

Double-sided fixing 5-6 kg/m²

120 cm² to 500 cm², 8x8x8 mm:

Single-sided fixing 4-5 kg/m²

Double-sided fixing 6-7 kg/m²

500 cm² to 3600 cm², 10x10x10 mm:

Single-sided fixing 5-6 kg/m²

Double-sided fixing 7-8 kg/m²

PACKAGING

25 kg craft bag

STORAGE AND SHELF LIFE

Store in dry and cool locations. Shelf life is 12 months under suitable storage conditions. Product storage conditions should be adhered to, and the products should not be stored in humid and damp warehouses.

HEALTH AND SAFETY

As with all chemicals, contact with skin, eyes or mouth should be avoided during usage or storage. If accidentally ingested seek immediate medical attention. In case of contact with the skin, wash with plenty of water. Reseal containers after use.

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