

ADHESIVE CEMENT C1E

An improved cementitious adhesive C1E with superior bond strength and a longer drying time. It does not disintegrate and is suitable for direct application in thick layers to brick walls, without the need for painting. It also covers uneven surfaces. For both interior and exterior use. It is particularly recommended for covering porcelain and all types of ceramic tiles, marble, and natural stone.

Composition

Product based on high-strength cement, screened aggregates, additives, and synthetic resins.

Features and Applications

Indoor and outdoor use.

Adheres to all types of ceramic pieces.

No detachment. Excellent initial adhesion.

Installation of pieces using traditional methods without the need to moisten the substrate due to its water-retaining properties.

Reduces substrate flatness tolerance. Prevents roughening. Saves material and labor.

Substrates

Conventional cement substrates and brickwork.

Substrates must be strong, stable, clean, and free of dust, formwork residue, organic products, etc.

In hot and windy conditions, or in the case of highly absorbent substrates, moisten the substrate and wait until the water film disappears.

Do not apply over plaster or paint.

For exterior cladding, the substrate must have a slope equal to or greater than 1%.

When creating raised areas with the same product, do not exceed 20 mm in thickness and do not apply the adhesive before 48 hours.

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Instructions

Add water and mix manually or mechanically until a smooth, workable consistency is obtained.

Let the mixture rest for 5 minutes and mix again.

When installing ceramic tiles, this is done traditionally, rocking each tile well. Better adhesion is achieved by first spreading a thin, compact layer on the brick with a trowel.

When installing wall coverings, add the product to the substrate by spreading it with a trowel. For large-format tiles, use a double-bonding system.

Respect construction joints (expansion, contraction, splitting, perimeter corner joints) as well as the joints between tiles (minimum 2 mm).

The joints should be filled after 24-48 hours, depending on the thickness of the adhesive used. Use mortar from the RITAL JOINT COMPUND RANGE, depending on the type of joint.

Precautions and Recommendations

Do not use below 5°C or above 30°C.

Do not use in areas with a risk of frost, rain, strong winds, or direct sunlight.

Do not use in areas at risk of standing water.

For claddings over 30 m², leave expansion joints filled with a deformable material.

For interior claddings with an area over 15 m², it is recommended to leave a perimeter expansion joint between the cladding and the wall or pillar located behind the recessed base.

To ensure perfect adhesion, avoid moving the tiles over the tiles for 3 or 4 days.

Maximum weight for vertical cladding: 40 kg/m².

On facades and exterior walls, the material should always be installed using anchors or mechanical fixing.

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Presentation

20 kg laminated paper bags.

Storage for up to 1 year in the original packaging, protected from weather and humidity.

Technical Data

(Statistical results obtained under standard conditions)

Appearance:	WHITE
Mixing water for white product:	$24 \pm 2\%$
Mixing water for gray product:	$27.5 \pm 2\%$
Apparent dust density:	$1.5 \pm 0.2 \text{ g/cm}^3$
Mixed product density:	$1.8 \pm 0.2 \text{ g/cm}^3$
Adjustment time:	Approximately 30 minutes (depending on climatic conditions)
Paste pot life:	Approximately 2 :30 h (Depending on climatic conditions)
Initial adhesion	$> 0.5 \text{ N/mm}^2$
Adhesion after water exposure	$> 0.5 \text{ N/mm}^2$
Adhesion after aging under heat	$> 0.5 \text{ N/mm}^2$
Adhesion after freeze-thaw cycle	$> 0.5 \text{ N/mm}^2$
Classification according to NF EN 12004:	2001 C1 T
Approximate coverage	15 kg/m^2 per cm of thickness
Application thickness:	Allowable between 0.5 and 2 cm

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Note

The instructions in this manual are based on our tests and knowledge, and do not imply any commitment on the part of SARL RITAL or release the consumer from the responsibility of checking and verifying the products for their correct use. Claims must be accompanied by the original packaging to allow for proper traceability.

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