

# CC FIX THIK MAX

## CERAMIC TILE ADHESIVE

### DESCRIPTION

- Cement based, with extended open time tile adhesive with improved adhesion for small to large sized (<30x60 cm) walls & tiles and porcelain tiles. It is non-slip by its thixotropic feature and waterproof properties
- Easy application and excellent bonding onto all cementitious substrates,
- Non-slip, excellent performance for wall tiling
- Water Resist

Suitable for use in internal and external, vertical, and horizontal applications, terraces, kitchens and bathrooms and wide areas.

### Material content:

High quality cement, additives providing and improved adhesion and thickness level.

Color: Grey

Type: Powder up to 8 mm size

Density: 1,35 gr/cm<sup>3</sup>

### PACKAGING

Sacks of 25 kg

### APPLICATION PROPERTIES

Mixture rate: 4–7-liter water / 25 kg powder

Open time: 20 minutes

Pot life: 4 hours

Application temperature: +4 °C - +35 °C

Adjustment time: 30 minutes

Coverage area under tile: minimum 90%

Set time: minimum 24 hours (for light pedestrian traffic)

Grouting time: minimum 24 hours

Final set time: 28 days (23 °C, 50% relative humidity)

### TECHNICAL PROPERTIES

Tensile strength

- after 28 days:  $\geq 0,5$  MPa (N/mm<sup>2</sup>)

- aging with heat:  $\geq 0,5$  MPa (N/mm<sup>2</sup>)

- aging with water:  $\geq 0,5$  MPa (N/mm<sup>2</sup>)

- freeze - thaw cycle:  $\geq 0,5$  MPa (N/mm<sup>2</sup>)

- extended opening time (30 mins.)  $>0,5$  MPa (N/mm<sup>2</sup>)

Shear:  $\leq 0,5$  mm

Flexibility: limited

Resistance to alkalis: good

Resistance to thermal shocks: -15 °C - +70 °C

### REFERENCE STANDARD

C1T class

### APPLICATION SURFACES

Suitable for use on cement-based screeds and plasters, and concrete substrates. For application on alternative surfaces please refer to the Special Conditions section.



### SURFACE PREPARATION

The substrate should be clean and free from dust, dirt, grease, or any other contaminating barrier. Subsequently hardened or polished surfaces and laitance (concrete etc.)

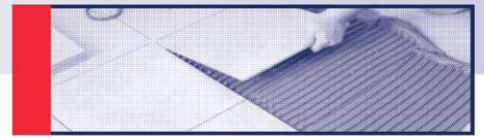
- Ensure that substrate is mature, sound, stable and smooth, and not too dry or wet.
- High porosity substrates (i.e., gypsum plasters) should be primed before fixing.
- The surfaces exposed to direct sunlight and have a surface temperature above +35 °C must be cooled by damping.

### MIXING

- Gradually add 4-7liter (20-28%) of clean water to 25 kg of powder and mix to a smooth and homogenous paste. It is recommended to use a low cycled electrical drill-mixer for mixing.
- The paste should be in a consistence such that it does not when handled with a trowel.
- The paste should rest for 5 minutes prior to application and should be applied after remixing

### APPLICATION

- Apply the adhesive on the substrate (for tile sizes  $>33 \times 33$  cm, adhesive should be buttered onto the tile back as well) with a suitable notched trowel to achieve the required bed thickness up to 2 cm
- The tiles must be fixed within the open time of adhesive and pressed on with a twisting and sliding action to achieve good contact. The tile should be gently hammered with a rubber hammer to provide the stability of bonding and the adhesive to spread and fully cover the tile back. Lift an occasional tile after fixing to verify that the required contact is being achieved.
- Excess adhesive must be cleaned off from the tiles and joints with a damp cloth or sponge before it hardens.
- Grouting must be done at least 24 hours later after adhesive application
- Application on hot surfaces and during sunny and/or windy weather is not recommended.



### STORAGE AND SHELL LIFE

- When stored unopened in a cool, dry place at temperatures above 5 °C, shelf life is 12 months from date of manufacture. Production date and charge number are displayed on the packaging.
- The products should not be stored in damped or submerged warehouses. At maximum 8 craft sacks should be overlaid for storage.
- When not used, opened packages should be closed tightly to avoid air contact.

### HEALTH AND SAFETY

- Irritating to eyes and skin due to cement content. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water.
- Wear suitable protective clothing, gloves, and eyes/face protection.
- The product should not be inhaled. Dust mask should be used if necessary.
- Keep the product out of the reach of children.

### PRECAUTIONS

- If any roundish and lump or hard particles are observed in a new opened bag, do not use the product.
- Do not add more water into the mixture once the mixture than is specified on the technical legends on the product packaging or technical data sheets.
- Do not add more water into the mix after mix harden

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