



TECHNOFLEX 1054 C2TE S1

Description:

High-performance cementitious S1 class deformable tile adhesive, with extended open time and reduced slip, for ceramic tiles and stones. There is a version with Wintertech technology which can be used safely between (-10°C) - (+35°C) for continued application in winter conditions.

Usage Areas:

Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds, and concrete.

Bonding of tiles on existing ceramic tile, granite.

Bonding of tiles on painted walls and gypsum.

Bonding of ceramic tiles in swimming pools, basins, and other wet places.

Bonding of tiles on terraces and balconies.

Bonding of tiles in areas where sudden temperature changes occur, such as cold storage and depots.

Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, and schools.

Properties:

Perfect adherence.

Highly deformable, thanks to its S1 classification.

Resistant to temperature changes.

Can be applied on vertical surfaces, even for bonding of heavy tiles, without sagging.

Extended open time.

Easily trowelable.

Complies with ANSI A118.11 and A118.4 standards.



Performance Data:

Slip: ≤ 0.5 mm

Slip (ANSI A6.0 118.4): ≤ 0.02 in. (0.5 mm)

Open Time Tensile Adhesion Strength:

After 30 minutes ≥ 0.5 N/mm²

Open Time (ANSI A5.3 118.4): ≥ 75 psi (0.5 MPa) at 30 minutes

Tensile Adhesion Strength

Initial (after 28 days): ≥ 1 N/mm²

After heat exposure: ≥ 1 N/mm²

After immersion in water: ≥ 1 N/mm²

After freeze/thaw cycles: ≥ 1 N/mm²



Application:

Pour Technoflex into the advised amount of clean water slowly and mix to obtain a homogeneous paste, free from lumps.

Use a low-speed mixer to mix.

Allow the mortar to stand for 10-5 minutes to mature. After 2-1 minutes of remixing, the paste is ready for application.

Spread the mortar onto the substrate with a notched trowel of appropriate size for the tile dimension.

Apply a thin coat of Technoflex with the flat side of the trowel, then notch with the toothed side of the trowel.

For large tiles (greater than 40x40 cm), or in areas subject to frost or heavy traffic, Technoflex should also be applied on the back of tiles (combined method).

Open time is 30 minutes. Install the tiles within this period with firm pressure.

Unfavorable climatic conditions (high temperature, low humidity, wind, etc.) may reduce this time. If the period is exceeded, scratch and discard the mortar.

General Data

Appearance: Grey and White powder

Shelf Life: 12 months when stored in the original sealed packing in a dry place.

Storage:

Keep dry 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. Shelf life is maximum 12 months conditional to complying with the above-mentioned conditions.

Mixing Ratio:

7-6.5 liters water / 25 kg for grey powder

7.5-7 liters water / 25 kg for white powder

Pot Life: 6 hours

Grouting:

8 hours on the wall; 24 hours after on the floor

Set to Light Foot Traffic: 24 hours

Consumption: 5-3 kg/m²

Application Data:

Application Temperature Range:

(+5°C) - (+35°C)

(-10°C) - (+23°C) (Thanks to Wintertech)

Package:

25 kg multi-ply paper bags

