



Bond Plus

Ceramic Adhesive Mortar (C1TE)



ECCO-FRIENDLY



EASY TO USE



TILING ONTO DRY WALL

Description

Cement based and C1TE class adhesive mortar reinforced with chemical additives, polymers and mineral fillers and used for bonding tiles, ceramics, glazed tiles and glass mosaics to walls and floors

Usage

- Indoor and outdoor areas
- Wall and floor applications
- Adhesion of tiles, ceramics, glazed tiles and glass mosaics

Properties/Advantages

- Easy to prepare and apply
- No slippage in vertical application.
- Rigid and long lasting
- Resistant to water and moisture
- Fireproof

Standard: TS EN 12004 – Class C1TE

Technical Information

Colour	Grey and white
Initial bond strength	$\geq 0,5 \text{ N/mm}^2$
Bond strength after immersion in water	$\geq 0,5 \text{ N/mm}^2$
Bond strength after thermal aging	$\geq 0,5 \text{ N/mm}^2$
Bond strength after freeze-thaw cycles	$\geq 0,5 \text{ N/mm}^2$
Open time bond strength (30 min.)	$\geq 0,5 \text{ N/mm}^2$
Slippage	$< 0,5 \text{ mm}$
Service temperature	(-30°C) – ($+60^\circ\text{C}$)
Reaction to fire	Class A1

*Depends on $+ 23 \pm 2^\circ\text{C}$ temperature and $50 \pm 5\%$ relative humidity conditions.

Application Information

Application temperature	($+5^\circ\text{C}$) – ($+35^\circ\text{C}$)
Application period	30 minutes
Waiting period	3 minutes
Mixture rate	6,0 – 7,0 L water 25 kg powder
Pot life	3 hours
Commissioning period	24 hours
Period for starting joint application	8 hours on walls
	24 hours on floors

Surface Preparation

- The application surface must be cleared of mould oils, dust, paints, detergents and such other substances which may prevent adhesion.
- Any surface defects must be repaired with Davco repair mortar prior to the application depending on the surface and defect.
- Absorbing surfaces must be undercoated with Lanko 160 and double coat primer must be applied for the surfaces with very high absorbing capacity.
- Surface temperature must be reduced by means of dampening if it is too high.

Mixing

- Suitable amount of water must be measured and poured in a clean mixing container. Bond Plus must be slowly poured in it and the mixture must be stirred with the help of a low speed mixer with 400–500 cycles/minute until you obtain a homogenous mixture (3–4 minutes).
- The prepared material must be stirred for further 1–2 minutes after it is cured for 3 minutes for the purpose of maturation.
- The mixed mortar is now available for use

Application

- The mortar must be applied to the surface by pressure in order to ensure better adhesion and then the surface is dredged with a steel notched trowel selected according to the dimension of the material to be coated.
- The combined method (mortar application both on the surface and following the coating) must be preferred for 20x20 cm and larger coatings, the areas subjected to intense traffic and the surfaces which will be subjected to atmospheric conditions.
- Adhesion process on the mortar which is dredged to the surface must be completed within not later than 20 minutes.
- High temperature, low moisture, strong wind etc. may shorten this period.
- Expired mortar must be scratched from the surface and the surface must be subjected to re-dredging and the coating material must be adhered.
- The coating material must be placed on the surface with cross movements to ensure better adhesion and the air between the surface and coating must be discharged with the help of a plastic knob.
- The mortar must be consumed within 3 hours to the utmost. Any expired and crusted mortar in the container must not be used.
- Do not apply the product under direct sunlight and

when air temperature is lower than +5 °C or greater than +35 °C or the weather is severely windy.

Consumption

Dimensions of the ceramic (cm)	Dredge gauge	Consumption
10x10 and 20x20	8 mm	5 kg/m ²
10x10 and 20x20	8 mm	6 kg/m ² combined method
20x20 and 60x60	10 mm	7-8 kg/m ² combined method

Packaging

25 kg Kraft Bag

Storage

The expiry date is 12 months starting from the date of production if the product is stored in its sealed original package in a dry environment free from direct sunlight and frost.

Safety Precautions / Warnings

- No foreign matter must be added in the prepared mortar apart from the items specified in package details.
- Cement based products must not be applied at any temperature values lower than +5°C or greater than +35°C.
- Expired mortars must not be used by way of mixing with water or dry mortar.
- The product must not be directly applied to the surfaces exposed to sun or frost for a long period of time and you must wait until the surface reaches to normal conditions.
- You must wait for 24-48 hours for the joint application.
- Absorbing surfaces must be primed prior to the application.
- Personal protective equipment must be used before starting the application.
- The powder of the material must not be inhaled as it is a cement based product and its contact with your skin and eyes must be avoided.

*Please refer to the safety datasheet to get more detailed information about health and safety.

CE

Bond Plus
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17
DoP No: 301

TS EN 12004:2007+A1:2013
Normal Setting Cementitious Adhesive With Reduced
Slip And Extended Open Time, For Internal And External
Tiling.

