

POLYMER-MODIFIED IMPROVED TILE ADHESIVE

Description :

- Polymer - modified improved tile adhesive with no vertical slip with extended performance.
- Suitable for fixing ceramic, vitrified tiles & natural stones.

Scope of Use :

- CO2 is a tile adhesive designed for vitrified tiles & ceramic tiles (glazed, terracotta, Stone)
- Indoor & Outdoor use
- On horizontal and vertical surfaces
- On Cement and cement-lime plaster, cement screeds, cement ground coats and concrete

Compliance / Standard :

- C2TE as per EN 12004 ISO 13007 standard
- Type 2T as per IS 15477-2019 standard

Technical Properties :

(As Per IS 15477-2019 standard.)

| Property : Test method | Requirement | Test Result |
|---|--------------------------|------------------------|
| Shear Adhesion strength | | |
| Dry Conditions (28 days) | ≥ 1.25 N/mm ² | 1.47 N/mm ² |
| Heat Ageing Conditions (14 Days Std + 14 Days Oven) | ≥ 1.00 N/mm ² | 1.16 N/mm ² |
| Wet Conditions (7 Days Std + 21 Days Water) | ≥ 1.00 N/mm ² | 1.29 N/mm ² |
| Tensile Adhesion strength | | |
| Dry Conditions (28 Days) | ≥ 1.00 N/mm ² | 1.40 N/mm ² |
| Wet Conditions (7 Days Std + 21 Days Water) | ≥ 1.00 N/mm ² | 1.15 N/mm ² |
| Slip Resistance | ≤0.5 mm | 0.32-0.37 mm |

Working Properties at 70° F (21° C) :

| | |
|----------------------|-------------|
| Open Time | 30 minutes |
| Adjustability Time | 35 minutes |
| Pot Life | 6 hours |
| Time To Foot Traffic | 16-24 hours |

Application Instruction :

Surface Preparation :

- The Surface should be sound and clean, free from dust, grease, oil, loose material, paint etc.
- Movement joints to be filled with suitable joint filler.
- The surface must be in SSD condition before an application.

Mixing Process :

- CO2 Plus 20 kg powder should be mixed with 4.6 to 5 Liter of clean water. Use slow speed drill machine for homogenous mix. Add powder to water & mix until uniform, lumps free consistency is achieved. Add requisite quantity of water to achieve the required consistency.
- Mix the required quantity, which can be used within 60 minutes.

Precautions :

- Always add powder to water & never add water to powder.
- Never add excess water than recommended.
- The Surface should be hard & in sound condition for floor tiling.
- Do not use in Damp conditions.

Benefits :

- Ready to use, needs no curing.
- High Adhesive bond strength.
- Non Slip and has excellent grab properties.
- Non Shrink and Crack Resistant.
- Flexible to accommodate thermal & physical movement.
- Time saving and increases productivity.

Coverage :

As a guide:

1.2 kg/m²/mm of thickness

(Consumption may vary depending on the evenness on the substrate, trowel notch size, type of tile and application technique)

Packing :

CO2 Plus is available in 20 kg Pack.

Shelf life & Storage :

Until 12 months since the date of production when stored in damaged dry conditions & original packaging.

Health & Safety :

CO2 Plus is not hazardous. It should not be swallowed or allowed to come into contact with the skin and eyes. Protective gloves, Nose mask and goggles should be worn. Contact with the skin for long tenure should be avoided. In case of contact with the eyes, it should be rinsed immediately with plenty of water and medical advice sought immediately.

Fire :

CO2 Plus is non-flammable.

Technical Support :

The company provides a technical service supported by the team of specialist applicators in the industry.