

HIGH STRENGTH, FLEXIBLE ADHESIVE FOR EXTERNAL TILES & STONES AT ANY HEIGHT



Description :

Deformable cementitious, polymer-modified adhesive with improved characteristics, slip resistance, & extended open time. High-performance adhesive for installing vitrified tiles, large-scale tiles, thin tiles, slabs, & natural stones

Scope of Use :

- C04 flex is used to laying vitrified tiles (semi and fully), cement & stone tiles, large format and heavy duty tiles, thin tiles, glass mosaics & natural stone on deformable substrate.
- Its features keep an elastic connection with a substrate which allowed to carry over shear stresses between tile and substrate.
- On horizontal and vertical surfaces

Compliance / Standard :

- C2TESI as per EN 12004/ISO 13007 standard
- Type 4 TS1 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)	$\geq 1.50 \text{ N/mm}^2$	2.90 N/mm ²
Heat Ageing Conditions (14 Days Std + 14 Days Oven)	$\geq 1.00 \text{ N/mm}^2$	1.85 N/mm ²
Wet Conditions (7 Days Std + 21 Days Water)	$\geq 1.00 \text{ N/mm}^2$	1.91 N/mm ²
Tensile Adhesion strength		
Dry Conditions (28 Days)	$\geq 1.50 \text{ N/mm}^2$	2.50 N/mm ²
Wet Conditions (7 Days Std + 21 Days Water)	$\geq 1.00 \text{ N/mm}^2$	1.70 N/mm ²
Slip Resistance	$\leq 0.5 \text{ mm}$	0.20-0.24 mm
Transverse Deformation	$\geq 2.5\text{mm} < 5.00\text{mm}$	3.20 mm-3.80 mm

Working Properties at 70° F (21° C) :

Open Time	45 minutes
Adjustability Time	50 minutes
Pot Life	12 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 :

- C04 FLEX 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 :

- It has the strength & flexibility balancing substrate deformations on critical surfaces like balconies, terraces, wet rooms, bathrooms, swimming pool, external facade, etc
- For ceramic, vitrified tiles/semi & fully), glass mosaic & natural stone (non-sensitive)
- Suitable for large-scale & heavy- duty vitrified tiles.

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 :

C04 Flex 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 :

C04 Flex 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 :

C04 flex is non-flammable.

Technical Support :

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