

## Product Data Sheet

### Tile Adhesive (FLEX – C2)

**High Performance Cementitious Tile Adhesive With Extended Open Time For All Types Of Tiles Specially Vitrified Tiles For Wall And Floors Application In Interiors And Exteriors. Flex-c2 Is Suitable On All Types Of Masonry Substrates Such As Sands/cement Render, precast Concrete, Gypsum Etc. And Exceeds Standard Requirements I.E. En-12004 And Is Classified As C2te.**



#### AREA OF APPLICATION/USES:

- For all type of masonry substrates such as sand/cement render, precast concrete, gypsum board, sound painted walls, where an extended open time is required.
- For installation of ceramic and porcelain tiles.
- Over Tiles. Tile on Tile application.
- For residential, commercial and industrial purpose, swimming-pools, facades, bathrooms, balconies, terraces and parking areas.

#### ADVANTAGES

- Single component – just mix with water.
- Available in white color.
- Easy to use – thixotropic.
- Very good tensile adhesion strength.
- Extended open time.
- Suitable for low porosity tiles.
- For indoor & outdoor floors/walls tiling.
- Excellent adhesion to all substrates.

#### TECHNICAL DATA

Product Name	Typical Values
Appearance	White or grey
Application Thickness	2 to 8 mm
Pot Life	60 mins
Mixing ratio	30 parts water for every 100 parts of tile adhesive.
Open time	≥ 30mins
Adjustability time	Approx. 30mins
EN 12004 Classification	C2TE

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#### PACKAGING

FLEX C-2 is available in 20kg bags.

#### COVERAGE

Thin-bed fixing : 2 – 3kg/m<sup>2</sup> (Smooth surface using notched trowel)

Solid-bed fixing : 5 – 6kg/m<sup>2</sup> (Smooth surface using notched trowel)

#### STORAGE AND SHELF LIFE

FLEX C-2 may be stored for up to 12 months in its original packaging in a dry shaded place.

#### USAGE INSTRUCTIONS:

##### Surface Preparation

The substrate should be sound, clean, free from loose material, grease, dirt or any other substance that might impair bond quality with the substrate. Concrete, hollow blocks, and cement-based substrates must be sufficiently cured. The surface should appear damp with no water pooling. Gypsum boards, plasterboards, anhydrite screeds must be sufficiently dry and free from dust.

##### MIXING:

Mix 20kg FLEX C2 with 5-6 liters of clean cool water (3:1 ratio) until a smooth, lump-free paste is obtained. Leave the paste to rest approximately 5 minutes before starting the application.

##### APPLICATION:

Apply the tile adhesive to the substrate using a notched trowel. Choose a trowel that gives the correct coverage to the tile. To achieve good adhesion, spread an initial thin layer of adhesive on the substrate using the flat side of the trowel. Comb the adhesive with a suitable notched trowel horizontally to achieve a 2 – 6 mm bed thickness. Spread the mortar adhesive to a manageable area that can be tiled within 5-10 minutes. Press the tiles firmly over the mortar adhesive and immediately knock them into the desired position. Adjust the position of the tiles, if required, within its adjustability time after installation.

Use the back buttering method for large format tile applications. Apply and comb the adhesive on the surface to be tiled. Also, add the adhesive to the backside of the tile with/without combing.

#### PRECAUTIONS AND SAFETY MEASURES

This product contains Portland cement which is slightly alkaline when wet. For people with sensitive skin, continuous use may cause irritation. Gloves or a suitable barrier cream should be used. As a general Code of safety practice all chemical products should be treated with care, kept away from children and animals, especially protect eyes and skin. In emergency seek medical advice.

**\* Properties listed are only for guidance and are not a guarantee of performance.**

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