CIMFLEX 50

1 \ ABOUT THIS PRODUCT

CIMFLEX 50 is a cementitious, flexible tile adhesive, available as either white or grey. It is factory produced from carefully selected raw materials, thus assuring constancy and quality. It only requires the addition of water on site.

2 \ SUITABILITY

CIMFLEX 50 is suitable for fixing of medium/low and very low water absorption tiles, on interior and exterior walls and floors.
For further information please read our **Tile Adhesive Selection Guide**, or contact us.

3 \ PACKAGING

CIMFLEX 50 in both Grey and White versions, is supplied on 5 kg and 25 kg bags.

4 \ STORAGE AND SHELF LIFE

CIMFLEX 50 must be kept on its bag until usage. When stored unopened in a dry place at temperatures above 5°C, and sheltered from direct sunlight, shelf life is 12 months from date of manufacture.

5 \ TECHNICAL DATA

Open Time	30 min
Tensile Adhesion	≥ 1 N/mm²
Tensile Adhesion, after water immersion	≥ 1 N/mm²
Tensile Adhesion ,after heat aging	≥ 1 N/mm²
Tensile Adhesion , after freeze thaw cycling	≥ 1 N/mm²
Yield	3 to 6 kg/m²

These results were obtained in controlled laboratory conditions in observance of the EN 12004 European Standard.

6 \ PREPARATION AND APPLICATION

6.1 \ Substrate preparation

• All surfaces must be sound, clean, suitably dry and free of any material which may impair adhesion, having special care, in site moulded concrete walls, to insure the absence of any vestige of demoulding agents.
• The substrate must be flat, and any holes or imperfections that would cause the tile adhesive to be applied with a thickness exceeding 6 mm, should be previously repaired.
• Prior to usage, check that the tiles are clean and are not wet.

6.2 \ Application

Gradually add 5 litres of water to each 25 kg bag, and, using an electric mixer, mix to a smooth, workable stiff paste.
Allow the mix to rest for 5 minutes.
The mixed paste must be applied in under 60 minutes, or less, depending on environmental conditions.
Apply the adhesive onto the substrate covering up to 1 m² at a time (or no more than can be tiled within 20 minutes). Use a suitable notched trowel (6 to 8 mm teeth) to achieve a homogenous bed thickness of up to 6 mm.
Bed the tiles firmly into the adhesive with a slight sliding and/or twisting action, to ensure a good contact by flattening the notches. At least 80% of the tile surface must be in contact with the adhesive.
Leave appropriate clearance joints for grouting (at least 2 mm, if indoors, and 6 mm if outdoors). Wait at least 24 to 48 hours before grouting.

7\ GOOD PRACTICES

DO NOT ADD ANY OTHER MATERIALS TO THE TILE ADHESIVE.

7.1 \ Thickness

Bed thickness cannot exceed 6 mm.

7.2 \ Mixing water

The mixing water must be clean, and preferably potable. Drinking water is generally suitable.
Once the mixing is done, do not add any further water to the mortar.

7.3 \ Climate exposure

CIMFLEX 50 must not be applied if the environmental temperature is below 5ºC or above 30ºC.
Do not apply on top of frozen substrates, avoid application if the substrate is subject to direct strong winds or intense sun exposure.

8 \ HEALTH AND SAFETY

Contains cement (Contains chromium (VI). May produce an allergic reaction). Harmful by inhalation. Irritating to eyes and skin. Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection. Do not swallow.
For further information, please request the Material Safety Data Sheet for this product.

Any information presented on this document is, to the best of our knowledge and on the issue date, true. This document can be revised, and any information changed, without prior warning. Our responsibility goes only as far as the quality assurance of the product, and, thus, does not cover any eventuality that may arise from using this product in any form different from its intended use.

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