

Great Performance Cementitious Interior and Exterior Tile Fixation

ChemTile C[®]



Description

ChemTile C[®] is a cement based tile adhesive consisting of special cements, graded fillers and adhesion promoting additives, it suitable for fixing materials is different substrates like concrete and sand cement screeds.

Advantages

- Ready to use, only add water.
- Excellent adhesive bond strength.
- Excellent slip resistant.
- Open wet times.
- Suitable for hot weathers.
- Excellent resistance to damp and fungi.
- Good resistance to solvent and oil.
- Non toxic.

USES

ChemTile C[®] is useful for fixing tiles of bathrooms, kitchens, swimming pools, fountains, etc.

Coverage

Rates:

It covers (5 – 8) m²/25 Kg at a thickness of 2 - 3 mm.

Technical Properties

Compressive Strength	170 Kg / cm ²
Flexural strength	50 Kg / cm ²
Density	1.82 Kg / Liter at 25 °C
Bonding strength	20 Kg / cm ²
Application temperature Ranges	5°C: 40°C
Phase	Powder
Colour	white & grey

Standards Compliance

• **ChemTile C[®]** compile with international standards as BS 5980.

Application Instructions

Preparation

- All surfaces must be clean, sound and free from all loosely adherent particles. All oil or grease traces should be removed before application.
- **ChemTile C[®]** can be directly applied on concrete, cement screeds, cement or lime mortars.
- It should only be placed on concrete after all shrinkage movement has taken place.
- **ChemTile C[®]** should not be used directly on gypsum or gypsum board substrates.

Mixing

- Mix 5.5 to 6.5 liter of water are required for each 25 Kg bag of **ChemTile C[®]**.
- A slow speed drill fitted with a suitable mixing paddle until a uniform slump free consistency is obtained.
- Allow the mixture to stand for 5 – 10 minutes before application.

Great Performance Cementitious Interior and Exterior Tile Fixation

ChemTile C[®]



Application

- Spread **ChemTile C[®]** on the surface to a uniform thickness of 2 - 3 mm, and then comb it horizontally.
- Twist tiles firmly onto adhesive bed ensuring good contact.
- Do not work areas over 1 m² at a time.
- Leave a minimum space of 2 mm around every tile.
- Excess adhesive can be removed with a damp cloth before setting of **ChemTile C[®]**.
- After one day from laying the tiles, the joints may be filled using **ChemTile J[®]** (see separate data sheet).

Packaging

ChemTile C[®] is supplied in 25 Kg plastic bags.

Shelf life

ChemTile C[®] has a shelf life of 12 months.

Storage conditions

ChemTile C[®] store in normal temperature and closed shaded dry area in undamaged original packing.

Health & safety

- **ChemTile C[®]** is not flammable or health hazard material.
- PPE in accordance with the health and safety rules should be used during the materials application.
- For irritant effects of the non-cured material, avoid contact with skin and eyes during storage and application.
- If the contamination occurs, wash the contaminated part by soap and plenty of water. Urgently contact to nearest hospital.
- Food and drink should be kept outside the application areas and should be kept in closed area.
- Residues of material must be removed according to local regulations.
- Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

Technical support

For any technical support, please contact ichem technical office or representatives

Technical Data Sheet - January 2024, Version 1.1.5

Office : 22 El-Shaheed Mohamed Abd
El-Hadi Street, Nasr City, Cairo
Website : www.iChemEg.com
Email : info@ichemeg.com

