



CELL O CON TILE ADHESIVE & TILE GROUT

- * Ceramic Tiles
- * Vitrified Tiles
- * Premium Adhesive (Large Format & Natural Tiles)
- * Tile on Tile
- * Marble / Granite (White)

A TECHNOCRAT'S QUALITY PRODUCT

GERMAN TECHNOLOGY

SCADA QUALITY CONTROL

INNOVATIVE GREEN PRODUCTS



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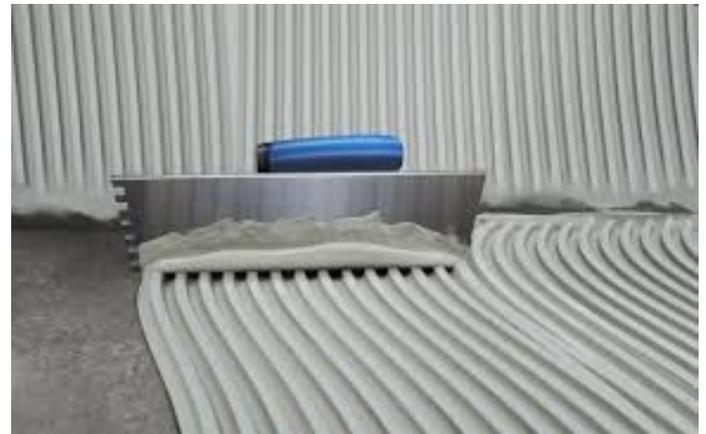


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CELL O CON TILE ADHESIVE is a cementitious powdery substance that forms a paste when mixed with water or some special liquid additives. This forms bedding for the tiles over the substrate. Tile adhesives give an excellent bond on cementitious surfaces like concrete and plaster. Tiles can be positioned over this bedding which binds them and keeps them in place. Adhesive forms a waterproof barrier between two surfaces and has excellent grab properties.

CELL O CON TILE Adhesives come in different formulations for Tile on Tile , Ceramics floor & wall Tile Adhesive , Vitrified Floor & wall Tile Adhesive . The practice of laying the floor and wall tiles with the spacers is to avoid the expansion and shrinkage of tiles. The joint between the tiles can be filled with tile grouting of the required color.



CELL O CON TILE ADHESIVE is a cementitious powdery substance that forms a paste when mixed with water or some special chemicals.

CELL O CON TILE ADHESIVE - GENERAL SPECIFICATIONS

Density	1.25 Kg/ltr
Pot Life	45 – 50 mins
Setting Time	Approx. 1 day
Full Strength	Approx. 7 day
Shear Strength	Approx. 9.0 KN
Shelf Life	3 months
Packaging	25 Kg bag

CELL O CON TILE ADHESIVE - PRODUCTS

- * Ceramic Tiles
- * Large Format & Natural Tiles
- * Vetrified Tiles
- * Tile on Tile
- * Marble / Granite (White)

CELL O CON TILE ADHESIVE - ADVANTAGES

- Adhesive for tiles has high strength. So, the tile will be in place for a long period without any problem.
- Tiles with adhesive has a better shock and impact resistance. So, adhesive for floor tiles won't get damaged easily as a result of the impact from other bodies.
- It is easy to install. The installation will be fast and economical because no other items to be added other than water. Wall tile adhesive will last long without any issues.
- Can withstand thermal stress which makes it useable in all climatic conditions.
- Low water absorption. It will cure fast naturally. No water curing is required.
- It is used to fix not only wall & floor tiles, but also natural stones like marble, granite, etc.
- Tiles can be mounted horizontally or vertically without any problem.

CELL O CON TILE ADHESIVE PREPARATION

- The substrate must be level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from damp rising.
- Dry, dusty surfaces should be dampened with water & excess water should be swept off.
- New concrete slabs shall be damp cured and 28 days old before application which will reduce the shrinkage from tile fixing surface.
- Expansion joints to be provided & filled with suitable sealant.
- Do not cover expansion joints with thin set tile adhesive/ tile.



ADHESIVE MIXING

- Add 3 – 3.5 parts of powder to 1 part of water or 5 - 6 litre water for 20 Kg powder in a clean mixing vessel.
- Adjust the water as per desired consistency.
- Mix with a suitable mechanical stirrer or slow speed drills (50 - 100 rpm) until a lump free homogeneous paste is obtained.
- Always mix required quantity, which can be consumed within pot life.
- Leave mixture for 5 minutes before use.
- No further water should be added.



CELL O CON TILE ADHESIVE

A polymer grey cement-based thin-set tile adhesive for fixing tiles like ceramic / clay tiles, terracotta and quarry tiles of regular size, vitrified tiles on the floor.

Apply adhesive to the substrate with the flat side of the trowel. Comb on additional adhesive with the notched side. Use the proper sized notched trowel to ensure full bedding of the tile.

Tiles must be fixed within 15-20 minutes of adhesive being applied, depending on the porosity of the surface and atmospheric conditions.

Check the adhesive ribs periodically and if a skin has formed, remove the dried adhesive and apply fresh adhesive.

Press the tiles firmly into position with a slight twisting action, checking periodically that good contact is maintained with the back of each tile and beat using rubber mallet to imbed tile and adjust level.

Leave no voids behind tiles. For large size tiles or irregular surfaces, adhesive can additionally be buttered on the backs of the tiles to ensure full adhesive contact.

Use suitable support along with adhesive for fixing tiles on vertical surfaces.





CELL O CON TILE GROUT

CELL O CON Tile Grout is a type of cement-based epoxy grout that fills the gap between tiles giving a proper finish and a good look overall. Moreover, with epoxy grout, the chances of mould or fungus growth is very less.

Epoxy tile grouts come in many different colours and therefore buying the one that matches the colour of the tiles is possible. Epoxy tiles grout are also water-resistant.

To get the maximum benefit, sealer can be applied over the grouting epoxy after some specific time mentioned on the container. Epoxy grout on tiles comes in different variants to suit application.



CELL O CON TILE GROUT - ADVANTAGES

Tile with epoxy grout gives a perfect and smooth finish to the structure. Tiled surface can be maintained very easily with grout epoxy and the cleaning process will also be easy just like cleaning any other surface. The floor or the wall will look more beautiful with tiles epoxy.

CELL O CON TILE GROUT TECHNICAL

Working Temp	-15°C to 30°C
Pot life	Approx 50 minutes at 20°C Approx 40 minutes at 30°C
Curing Time	16 hours at + 20°C
Full carrying	After 4 days at 20°C
Capacity	After 8 days at 10°C
Compression Strength	Approx 65 N/mm ²
Elasticity modulus	Approx 4200 N/mm ²
Adhesion to tiles	Approx 25 N/mm ²
Shrinkage	0% Approx
Temperature Resistance	Approx 80°C

