



Installation of ceramic tiles

Following materials are required approximately for fixing 1 sqm of tiles:

1. Cement - 9.0 Kg
2. Sand - 0.9 Cft.
3. Colour cement - 0.1 Kg

Installation operations

Preparation of the support surface (firm base)



Preparation of the mortar bed



Fixing the tile



Sealing the joints



Cleaning





Installation of ceramic tiles



- fill the ground with smooth sand and consolidate well by watering
- over the sand bed lay pcc (1:4:8)
- pcc – plain cement concrete
1 – one portion of cement
4 – four portions of sand
8 – eight portions of 40mm metal
- the pcc should have levelled surface and it must be exactly to the required level
- have a dry run of tiles initially by spreading them on the floor to observe any abnormalities in shades / sizes / warpages and expected cuttings for obtaining expected aesthetic effect.
- prepare cement mortar with 1:3 proportion
- spread the cement mortar with uniform thickness of 20 to 25 mm over pcc





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- fix the tiles over the cement mortar bed with uniform joints
- tap the tile with wooden peg to ensure total mortar contact
- ensure that the level of the fixed tiles is uniform
- clean the surface of the tiles with wet cloth
- fill the joints with coloured cement that matches the shade of the tiles.
- clean the tiles flooring with water
- for the upper floors, slab is acting as firm base, hence laying of sand and pcc is not required. Clean the surface of the slab with water and it should not contain mud etc.

Regency Ceramics Tiles can be laid with open joints or closed joints. In both the cases, it is recommended to give **expansion joints** in big halls for every 5 to 10 metres to give a gap of 3 to 5 mm and fill the same with any flexible material.





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Care to be taken to avoid the following while fixing the tiles:



- sand used without sieving in mortar bed.
- joints not uniform
- tile bed not uniform
- Presence of shells, calcium lumps in the bed
- more water in the bed and in cement slurry
- using pure cement paste at the back side of the tile
- air pocket in the mortar bed.
- insufficient contact to the tile and mortar bed





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Cleaning the tiled surface and drying



- Clean the surface with wet cloth or jute cloth to remove the traces
- Do not walk for about 8 hrs on the floor after the laying

