



## Technical Bulletin # 112

### RE: Paint Coated or Sealed Surfaces

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Paint, coatings, sealers and other foreign materials act as anti-adherents and bond contaminants for tile setting materials. Paints and coatings act as sealers which eliminate water penetration and prevent direct adhesion to the substrate. Paints and coatings do not have shear bond strength to hold a tile unit and cannot withstand the shock and use associated with a tile unit. C-Cure tile setting materials, mortars and mastics when applied over paint or other foreign materials are not warranted.

Installation failures occur when the tile setting material (mortar or mastic) releases from the paint or coating and the setting material remains fully attached to the tile. Failure may also occur when the paint or coating releases from the substrate with the setting material and paint remaining fully attached to the tile.

C-Cure product directions state that surfaces to receive tile are to be free of all paints, coatings, etc. and any other foreign materials that would interfere with the bond. Surfaces to be tiled should accept water penetration in order to form a good mechanical bond. To determine if coatings, sealers curing compounds or other foreign materials exist in or on the substrate, sprinkle water on various areas of the substrate to be tiled. If water is absorbed, a good bond should be formed. If water beads and does not penetrate, loss of adhesion may occur.

ANSI A108.1 A-3 General Requirements for Tile Installations states that the tile contractor is responsible to inspect surfaces to receive tile and notify the designated authority of conditions that will prevent a satisfactory tile installation. Section A-3.1.1 explains that all surfaces to receive tile must be clean and free of any foreign matter that will inhibit proper bonding of tile to the substrate. It is important for the installer to focus on proper substrate preparation to avoid costly callbacks.

C-Cure requires removal of all paint and coatings prior to setting of tile. All paint on surfaces to receive tile must be fully removed to expose a clean bonding substrate for the tile setting material. Cleaning may be accomplished via sanding, scraping or chemical stripping. If you have any questions regarding removal bond contaminants contact C-Cure's Technical Service Department.

#### Reference Documents:

ANSI A108.1  
NTCA Reference Manual D-1  
MMSA Bulletin No. 5

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