



Technical Bulletin # 123

RE: USG LEVELROCK® Brand Floor Underlayment
DATE REVISED: January 07, 2005

LEVELROCK® Brand Floor Underlayments and radiant floor heating systems are being specified in multi-level condominiums, hotels and high-rise office buildings in conjunction with ceramic tile and dimensional stone installations.

Tile and dimensional stone can be installed over LEVELROCK brand in areas designated as interior, dry and above grade floors for residential and commercial use. Once the LEVELROCK Brand is properly installed and cured in accordance with the manufacturer's directions, preparation for the installation of ceramic tile can begin.

There are several grades of LEVELROCK that range from 2500 psi to 4500 psi in compressive strength at 28 days. Both were tested per ASTM Test Method C-627 using the Robinson Type Floor Tester with ThinSet 911 Portland cement mortar gauged with PST 948 Flexible admix as the bonding system.

- a) LEVELROCK Brand Underlayments must be installed by a USG licensed according to US Gypsum requirements.
- b) Conventional floor joist or other systems must be of a design and thickness so as to maintain a substrate deflection not to exceed $L/360$ of the span, including live and dead load. $L/720$ for stone.
- c) LEVELROCK Brand Underlayments must be cured, level, dry, free of paint, foreign matter or any contaminant that can interfere with proper bonding.

- d) Cracks and defects in the underlayment must be repaired per USG specifications.
- e) All LEVELROCK Brand Underlayments to receive tile must be sealed with USG Sealer per US Gypsum requirements.
- f) Install tile with C-Cure ThinSet 911 DrySet Portland Cement mortar gauged with undiluted PST 948 Flexible admix. Installation to comply with ANSI A108.5 specifications.
- g) Grout with C-Cure MP 924 or CurePerfect 930 Latex-Portland Sanded Grout per A108.10 specifications.

C-Cure's 5 Year System Warranty Applies to C-Cure's products when installed by a recognized, competent mechanic in the trade who follows the installation instructions for C-Cure's products which are found in the company's literature or in the printed instructions on the containers. The warranty and performance of LEVELROCK Brand Floor Underlayment is the responsibility of US Gypsum company, and not that of C-Cure.

Technical Service Department: 800 895 2874

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Notice: The information in this bulletin is presented in good faith, but no warranty, express or implied, is given nor is freedom from any patent in as much as any assistance furnished by C-Cure with reference to the safe use and disposal of its products is provided without charge, C-Cure assumes no obligation or liability therefore, except to the extent that any such assistance shall be given in good faith.