



Custom Building Products' Tile Installation Guide over FLEXSnap™ Heating System

Description

Ceramic Porcelain Tile greater than 12" (30 cm) in dimension can be installed, in residential and commercial applications, over FLEXSnap™ Heating System over plywood subfloor utilizing Custom Building Products self leveling underlayment and tile installation products outlined below.

Surface Preparation

All surfaces to receive LevelLite®, LevelQuik RS®, or LevelQuik® ES Self Leveling Underlayment must be structurally sound. Surfaces shall be free of dust, wax, sealers, old adhesive residue, curing compounds, oil, gypsum-based underlayment, surface hardeners, paints, old flooring and other foreign material before application of primer. A 3/16" (5 mm) wide gap shall be left at all perimeter edges, walls and around fixed objects to allow for expansion. These gaps shall remain empty when the installation is complete.

A minimum, single layer of 5/8" (16 mm) exterior glued, tongue and groove plywood or 5/8" (16 mm) OSB, APA rated, type CSA-0325 tongue and groove should be properly installed to industry standards (American Plywood Association) over solid wood floor joist spaced 16" (40 cm) apart. Allow a gap of 1/8" (3 mm) between sheets of plywood or OSB and stagger panels so that four corners do not meet at any one location. All joints should be taped with masking tape to prevent being filled with self leveling underlayment. Plywood or OSB should be primed with Custom's LevelQuik Primer per package directions and allowed to dry before installation of the heating system.

FLEXSnap™ and FLEXTHERM's heating cable should be installed to the primed plywood or OSB per manufacturer's directions.

Ceramic Tile Installation

A minimum 1/2" (12 mm) thickness of Custom's LevelLite®, LevelQuik RS®, or LevelQuik® ES Self Leveling Underlayment shall be installed over the primed plywood surface, and installed FLEXSnap™ with FLEXTHERM heating cable, per Custom's instructions for installing self leveling over plywood and OSB surfaces; metal lath is not required in this installation and care should be exercised to avoid damage to the heating cable. Underlayment should be allowed to cure a minimum of 16 hours before the installation of ceramic tile.

Ceramic Porcelain Tile greater than 12" (30 cm) shall be installed with Custom's Flexbond® Crack Isolation Mortar or use MegaLite® Crack Isolation Mortar for medium bed applications, following manufacturer's guidelines and ANSI A108.5.

Movement joints must be placed in the tile assembly per TCNA EJ171.



CUSTOM[®]

The installed ceramic tile should be grouted 24 hours after installation of the tile with one of Custom's grouts; Fusion Pro®, CEG-Lite™ 100% Solids Epoxy, Prism® or Polyblend® Grout.

Allow the completed tile installation system to cure a minimum of 14 days before use of the heating system.

Warranty

Properly installed ceramic tile utilizing a full system of Custom's products, as outlined above, is eligible for Custom's 5 Year Limited System Warranty; for details visit custombuildingproducts.com.

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