

# CERAMIC TILE INSTALLATION OVER FLEXSNAP® HEATING SYSTEM

---

Ceramic porcelain tile greater than 12" (30 cm) in dimension can be installed on FLEXSnap® Heating System over plywood subfloors utilizing Custom Building Products self-leveling underlayment and tile installation products.

All surfaces to receive CUSTOM's 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 with joists 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 them from being filled with self-leveling underlayment. Plywood or OSB should be primed with CUSTOM's LevelQuik Latex 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.

A minimum 1/2" (12 mm) thickness of CUSTOM self-leveling underlayment should be installed over the primed plywood surface and the installed FLEXSnap with FLEXTHERM heating cable. Follow CUSTOM's instructions for installing self-leveler 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 installing ceramic tile.

Ceramic porcelain tile greater than 12" (30 cm) should be installed with CUSTOM's Flexbond® or MegaLite® Crack Prevention Mortars for medium bed applications following the manufacturer's guidelines and ANSI A108.5.

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

The ceramic tile should be grouted 24 hours after installation with one of CUSTOM's grouts. Consider Fusion Pro® Single Component® Grout, CEG-Lite™ 100% Solids Epoxy, Prism® SureColor® or Polyblend®.

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

Properly installed ceramic tile utilizing a full system of CUSTOM products, as outlined above is eligible for CUSTOM's 5 Year Limited System Warranty. For details visit [www.custombuildingproducts.com](http://www.custombuildingproducts.com).

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 CUSTOM with reference to the safe use and disposal of its products provided without charge. Custom Building Products assumes no obligation or liability therefore, except to the extent that any such assistance shall be given in good faith.

FLEXSnap is a registered trademark of FLEXTHERM Inc.

