

TILING OVER NUHEAT® FLOOR HEATING MAT WITH SPIDERWEB® II

Many consumers will benefit from installing a heated ceramic tiled floor. Nuheat® Electric Floor Heating System is a mat that can be installed under the tile with standard polymer modified thin-set mortars. Adding CUSTOM's SpiderWeb® II Uncoupling Mat will also deliver waterproofing and crack isolation protection to the floor. Following these guidelines will provide the advantages of combining both mats in your installation of ceramic floor tile.

Installation of the heating mat and ceramic tile should follow the Tile Council of North America (TCNA) guidelines. Installation over a concrete slab is detailed in RH115 of the TCNA Handbook for the installation of ceramic tile and RH130 and RH135 for wood joist supported plywood subfloors. The addition of SpiderWeb II to these details will provide protection from occasional water exposure and isolate the ceramic tile from any cracks in the substrate. These assemblies should be limited to residential or light commercial ceramic tile installations.

Manufacturer's directions must be followed for the installation of the Nuheat electric floor heating mat and CUSTOM tile installation products. As recommended by TCNA, an ANSI A118.15 Improved Modified Dry-Set Cement Mortar should be used for the installation of the mats and ceramic tile. CUSTOM offers several modified dry-set mortars that meet these requirements. For the installation of ceramic tile over SpiderWeb II and the Nuheat mat, we recommend the use of MegaLite® Crack Prevention Mortar or ProLite® Tile and Stone Mortar. Both products meet the requirements of ANSI A118.15 and are medium bed mortars, ideal for the installation of all floor tile, including large format tile with one edge greater than 15 inches.

The Nuheat mat is first bonded to the clean, prepared floor substrate with the selected mortar. Mortar should be spread with a ¼" x ¼" square notch trowel and the mat pressed into the mortar to get full contact per the manufacturer's directions. The SpiderWeb II uncoupling mat can be installed to the surface of the Nuheat mat immediately after installation using a ¼" x ¼" square notch trowel and the same mortar which was used to install the

Nuheat mat to the substrate. Following the installation instructions, use the same mortar to install the ceramic tile to the surface of SpiderWeb II Uncoupling Mat.

The installed tiles should be grouted with one of Custom's grouts, such as Prism® SureColor® Grout, Fusion Pro® Single Component® Grout or CEG-Lite™ Epoxy Grout.

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