



**EASYHEAT® Warm Tiles®
Floor Warming Self-Adhesive
Mat (SAM)
Tile and Stone Over Cement
Backerboard**

EASYHEAT has developed a revolutionary new way to view installation details. These animated tutorials are for reference purposes only. Always follow the Installation Instructions included in every Floor Warming Kit to ensure a professional quality installation. We hope you enjoy our Industry First – the Warm Tiles Tutorials.

1 SUBFLOOR:

3/4" exterior grade plywood substrate 16" (40.64 cm) o.c.

All surfaces should be between 40° F (4° C) and 90° F (32° C) and structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers or curing compounds.

Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI Specification AN – 3.8 "Requirements for Expansion joints" or TCA Detail EJ171 "Expansion Joints". Cementitious Back units: Follow TCA installation Detail W244. Do not cover expansion joints with mortar.

2 BACKERBOARD:

*1/2" (12.70 mm) cement backerboard
Install Cement Backerboard per installation
instructions provided by manufacturer.*

Be sure that the substrate is strong enough to support a tile or stone floor finish. Installer must verify that deflection under all live, dead and impact loads of interior plywood floors does not exceed industry standards of $L/360$ for ceramic tile and

brick or $L/720$ for stone installation where L = span length.

3 MAT:

*EASYHEAT® Warm Tiles® Floor Warming
Self-Adhesive Mat (SAM)*

The adhesive on the bottom side of the mesh will secure the mat to the substrate. Press the mesh evenly across the substrate to ensure there are no sections that have popped up. If there are raised sections or pop-ups, smooth out by pressing the mesh against the floor, or staple/hot-glue the mesh section. Never staple the heating cable.

4 SCRATCH COAT:

*EASYHEAT® Warm Tiles® Floor Warming
Self-Adhesive Mat (SAM) imbedded in thin-set
mortar or self-leveling underlayment.*

Comb on mortar with the flat side of the trowel, taking care not to nick the heating cables. Completely cover mat with thin-set mortar. Let thin-set dry following recommended times on thin-set package.

5 THIN-SET:

Thin-set mortar

Once the mortar has cured, install your tile or stone using standard tiling procedures for concrete and plywood sub-floors according to the Tile Council of America for the United States or by the Terrazzo, Tile and Marble Association of Canada.

6 FINISH:

Final Floor Finish

Grout floor finish at 70° F (21° C) following a minimum cure time of thin-set by referring to the manufacturer package.