



**EASYHEAT® Warm Tiles®  
Floor Warming Self-Adhesive  
Mat (SAM)  
Tile and Stone Over Double  
Layer Plywood**

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:**

*Double layer 5/8" (15.85 mm) exterior grade plywood substrate 16" (40.64cm) 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". Do not cover expansion joints with mortar.

When installing EASYHEAT® Warm Tiles® Floor Warming Self-Adhesive Mat (SAM) over a plywood surface, 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.

**② MAT:**

*EASYHEAT® Warm Tiles® Floor Warming Self-Adhesive Mat (SAM) adhered to substrate with thin-set mortar*

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.

**③ 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.

**4 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.

**5 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.