

## **LOW-PROFILE TILE INSTALLATION DIRECT-BOND TO ISOLAYMENT HB (5-mm)**

### **INSTALLATION GUIDELINES – CONCRETE SUB-FLOOR**

(adopted from TCNA-191-09 Test Report - “RESIDENTIAL” Classification)

**! IMPORTANT NOTE:** IsoLayment HB is manufactured from recycled tires and includes a white scrim surface. A rubber odor will be present while the material is exposed. Once covered, no odor will be detectable. Emissions from IsoLayment are *not* harmful.

#### **General Preparations**

- Make certain IsoLayment HB rubber underlayment with white scrim surface is selected for direct-bond, thin-set tile installation over a concrete base. Tile should not be directly applied to non-scrim-faced rubber underlayments. **INSTALL ISOLAYMENT HB WITH WHITE SCRIM SURFACE UP TO ACCEPT THIN-SET PRODUCT!**
- Ensure a strong, rigid subfloor with deflection not exceeding 1/360 of the span, including live and dead loads.
- Slope of subfloor shall not exceed 1/4-inch per foot i.e., not greater than 2%.
- **Concrete subfloor** shall be troweled smooth, cracks filled, free from spills/voids, and be clean and dry.
  - **NOTE:** Follow finish flooring manufacturer’s guidelines for allowable moisture content.
- If a waterproof membrane is required, install per manufacturer’s instructions.

#### **Installation of SRP Perimeter Isolation Material**

- 1) Cut Kinetics SRP isolation material to a height 1/4-inch less than planned finished floor system elevation.
- 2) Apply spray adhesive (such as Camie 363 High Strength Fast Tack Spray Adhesive) following manufacturer’s directions. First, apply to perimeter surface. Next, apply to one (1) side of SRP perimeter isolation material. When both surfaces are tacky, adhere SRP to perimeter. Alternately, double sided tape may be used.
- 3) Adhere Kinetics SRP to any protrusions through the floor system including floor drains, columns, pipes, conduit, etc. following steps 1-2.

**Note: Never attach SRP perimeter isolation board with any mechanical fasteners such as nails, screws, or staples.**

#### **IsoLayment**

- 4) Cut IsoLayment to length and lay loosely over the area to be treated. Do not overlay or leave gaps between sheets or at perimeter. Butt IsoLayment directly against the

isolation material already laid in place. DO NOT use IsoLayment to bridge spans or low areas in the subfloor. DO NOT overlay or leave gaps.

- 5) Pull the loose-laid material back at least half the length of the cut piece. Apply DriTac 7600 Adhesive over concrete subfloor using 1/8" U-notched trowel. Lay IsoLayment HB (5-mm) **WHITE SCRIM SURFACE UP** over adhesive and roll with a thirty-five-pound (35#) roller. Allow installation of IsoLayment HB to cure for 24-hours.
- 6) Repeat the installation for the other half of the cut piece, insuring all joints are butted together tightly. **DO NOT** tape joints or seams.
- 7) Keep all traffic on IsoLayment to an absolute minimum during curing process.

**Note: Never attach IsoLayment with any mechanical fasteners such as nails, screws, or staples.**

### **Tile and Grout – use only the resilient thin-set and grout products described herein<sup>(1)</sup>**

- 8) Apply Bostik Hydroment Reflex (1-800-7BOSTIK) thin-set mortar, prepared per manufacturer's instructions, over IsoLayment HB using a 1/4" x 1/4" square-notched trowel.
- 9) Key-in thin-set with flat side of trowel and then comb with the notched side to form parallel ridges.
- 10) Set ceramic tiles in thin-set by pressing down and sliding the tile in a direction perpendicular to the combed ridges. Maintain 3/16" joints for grout. To reduce ""lippage"" between tiles, use beat-in block and rubber mallet. Allow thin-set to cure 24-hours.
- 11) Using a rubber float, force Bostik TruColor Pre-mixed Grout (1-800-7BOSTIK) or StarQuartz Quartz-Lock Grout (866-220-4500), mixed per manufacturer's instructions, into the 3/16" grout joints. Remove excess grout with edge of float. Allow grout to set-up 20 minutes before cleaning installation with sponge and water. Allow grouted installation to cure for 28 days.

<sup>(1)</sup>**This is a flexible grout, which allows greater point loading of the tile floor without grout popping or cracking.**

- 12) After curing, trim Kinetics SRP perimeter isolation material where required to 1/4-inch below top of finished floor system.
- 13) Seal the perimeter with a permanently resilient acoustical or elastomeric sealant.
- 14) When installing base molding around perimeter of floor, maintain a 1/8-inch gap between the molding and the finished floor.

### **Disclaimer**

*These application notes represent generally accepted procedures for successful installation of Kinetics Noise Control IsoLayment noise control underlayment. These suggestions may be followed, modified, or rejected by the owner, engineer, contractor, and/or their respective representative(s) since they, not Kinetics Noise Control, are responsible for planning and executing procedures appropriate to a specific application. Kinetics Noise Control reserves the right to alter these suggestions and encourages contact with the factory or its representatives to review any possible modification to these application notes prior to commencing installation.*