



# Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

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**We Identify and S.T.O.P. Your Noise Problems**

## Quiet Floor™ Installation Instructions

For Use Under Ceramic Tile & Glue-Down or Nail-Down Hardwood

**Product Description:** Quiet Floor™ Underlayment is approved for use in ceramic floor applications.

- Quiet Floor™ is recommended for Type II ceramic installations only. Do not use in shower pan applications or areas exposed to excessive moisture.
- Quiet Floor™ is recommended for ceramic, porcelain, and most natural stone floor tile applications.

### Installation Instructions

1. **Conditioning:** The underlayment and adhesives must be conditioned at 70 degrees Fahrenheit with the relative humidity between 25 and 65% for at least 24 hrs before and 72 hrs after installation.

2. **Approved Surfaces for Applications:**

**A. For Glue-down Installations:** Plywood, hardboard underlayment, association grade particleboard, concrete backer board, and concrete above or below grade in the absence of excessive moisture and/or excessive alkali, well bonded sheet vinyl and vinyl composition tile. Quiet Floor™ underlayment is for floor applications only.

**B. For Mechanically Fastened Installations:** Plywood or wood that meets requirements set forth by the floor covering manufacturer.

3. **Surface preparation:** Floor must be clean, smooth, dry and free of foreign matter that would interfere with a good bond. Fill all cracks and depressions with a suitable floor patch. If adhesive removal chemicals have been used, make sure the floor has been properly rinsed and all chemical residues are removed.

4. **Moisture:** All concrete floors should be tested for moisture emission rate by utilizing an hydrous calcium chloride moisture test kit. Follow kit manufacturer instructions to determine moisture emissions in lbs/1000 sq.ft./24 hrs. If moisture exceeds 3.5 lbs/1000 sq. ft./24 hrs, but does not exceed 6 lbs/1000sq. ft./24 hrs, Acoustical Surfaces "TopCoat" must be applied. If concrete is in excess of 6 lbs/1000 sq. ft./24 hrs, consult manufacturer.

5. **Trowel Notch Size Recommendations:**

**A. Wood Adhesive:** Use manufacturers' recommended trowel size listed on adhesive container.

**B. Thin Set or Mastic for Tile:** Pad to subfloor: 1/4" x 1/4" x 1/4" square notch. Tile to Pad: 1/4" x 1/4" x 1/4" square notch for flat back ceramic, quarry and vitreous; 1/4" x 3/8" x 1/4" for ceramic, vitreous and natural stone tile including monocottera, ribbed, pavers and porcelain.

**C. Epoxy for Tile:** Use manufacturers' recommended trowel size listed on adhesive container.

6. **Application Procedures:**

**A. Ceramic tile or glue-down hardwood**

a) Before applying adhesive, pre-trim all excess using a sharp utility knife and a straight edge. All cuts should be flush to wall and end points of the tile to be set.

b) For tile, use thin set or mastic adhesive (or epoxy adhesive for commercial application). For hardwood, use acrylic urethane wood flooring adhesive. Using the proper trowel (see trowel recommendations), apply adhesive to subfloor in an area of such size that underlayment can be laid into adhesive while it is still wet. (2 to 4 square feet)

c) Once the underlayment is laid onto the wet adhesive, eliminate any buckles or trapped air by smoothing out with a grout float or light weight roller. This will ensure contact between the underlayment and the adhesive.

d) Curing times vary with different adhesives. It is important to allow the adhesive to set up prior to adhering the floor covering so that the underlayment does not shift underfoot.

e) Begin installing wood or tile according to the manufacturers specifications and directions.

**B. Mechanically fastened down hardwood**

a) It is not necessary to pre-fasten Insulayment™ to the subfloor.

b) Due to the additional 1/8" thickness of Quiet Floor™, select a suitable length of nails or staples to adequately secure the floor covering to the subfloor.

c) Install floor covering according to the manufacturer's specifications and directions.

**Note:** All rolls of Quiet Floor™ are cut to a minimum of 100 square feet. The average thickness of Insulayment™ is .11 of an inch. The average weight of a roll is 17.4 lbs.

Due to the nature of our manufacturing process and the use of recycled materials, the pad thickness may vary plus-or-minus .02 of an inch. Actual weight of each roll may also vary plus-or-minus 2-lbs.