

# Installation Instructions for HardFloor Acoustical Underlayment

## Prep Work

### Surface Preparation

Surface must be structurally sound, clean, dry and free from dirt, oil sealers or any contaminants that would prevent a good bond. HardFloor must acclimatize in their sealed packaging for 48 hours at a temperature of 65 degrees.

### Concrete Slab

Inspect concrete sub floor for any open cracks and fill with a high grade patch. Remove any excess concrete lumps or residue that may interfere with the installation of HardFloor. The concrete slab should be fully cured, dry, smooth, flat, and accept water penetration. Concrete must be free of efflorescence and not subject to hydrostatic pressure. A good quality concrete waterproof sealer may be required if moisture in the slab is above 10%.

### Gypsum Substrates

Gypsum substrates must have a PSI greater than 2000 and must be first primed or sealed per manufacturer's instructions.

### Wood Substrates

The sub floor should be permanently dry, smooth, flat, and clean free from dirt, grease, wax, paint, oil or anything that would hinder a good bond. Plywood sub flooring should be of a good grade. Variations in floor level over 1/8" within a 3 foot span should be leveled before installing underlayment. Any nails or other protrusions should be pounded flat or removed. Sub floor should have L360 for deflection.

### Bonding Material

HardFloor is bonded to the sub floor with ANC-T- 40 bond coat adhesive. Use a 1/16" x 1/16" x 1/16" square-notched trowel. Apply only enough adhesive as can be covered by a 4' x 4' sheet.

Clean up any extra before the adhesive skins over. ANC-T-440 and the sub floor must be at 65-degree Fahrenheit.

### Install HardFloor

Wait 15 minutes and install HardFloor into the adhesive while it is still wet. Do not allow adhesive to skin over. Lift a corner periodically to see if the adhesive is transferring 100%. If adhesive is not transferring, apply additional adhesive. Flat trowel the HardFloor to smooth out air pockets. Continue to install HardFloor sheets making sure to install with edges butted tight to each other, do not overlap seams. After first row is completed, roll the mat with a 50 lb roller. Install second row with staggered seams to the first row and repeat steps above. It is recommended to wait 8-12 hours before installing tile on top of HardFloor.

### Installation of Tile, Stone or Marble

Before installation of the flooring, install perimeter isolation strips with PSA backer or cut 1" wide by 4' lengths off the sheet. Fasten the perimeter strips to the wall of the entire sub floor use ANC-T-440 or mastic if cutting strips. Make sure to follow applicable ANSI A.108/A.118/A.136 for proper installation of ceramic tile. When applying tiles to HardFloor always use a polymer-modified mortar meeting ANSI A118.4 or A118.11 standard. It is recommended to key-in/burn-in a thin layer of thin set into the surface of HardFloor as a first step to tiling.

After finished floor is installed and grouted, trim the excess perimeter isolation strip flush with the floor. Prior to installation of cove or base molding seal isolation foam with either ANC acoustic caulk or any waterproof acrylic caulk. Adhere the base or cove to the wall. The base board must not touch the floor to avoid sound/vibration to flank through the walls.

### Product Information

Order Code	Quantity per Box
97150580305	25 sheets HardFloor 4' x 4', 400 sq ft per box
97150580405	Perimeter isolation strips, 1 1/2" x 4' with Peel & Stick backer – 25 strips per box (100 linear feet)
97150580440	4 gal bucket ANCT-440 bond coat adhesive (125-185 sq ft per gallon coverage)

### Accessories

