

# Hush II

## Noise Reduction Underlayment

Hush II is a sound absorbing, environmentally friendly acoustical flooring underlayment designed for use with luxury vinyl tile/plank.

### Features:

- Recommended for double glue-down installations of dry back LVT/P
- Recommended for a single glue-down installation with floating LVP (Quiet Cover)  
\*Do not glue floating LVT/P to Hush II.
- Installs with Shaw 4100 or S150 Spray Adhesive
- Blend of cork and recycled EVA foam granules
- Excellent sound suppression
- Resists mold and mildew
- Decreases step sound in rooms
- Suitable over concrete, wood and gypsum subfloors
- Suitable for use with radiant heat flooring
- Contains 85%+ pre-consumer recycled material by weightMade in the USA



### Suggested Applications:

- Multi-family housing
- Senior Living facilities
- Student housing
- Military housing

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## Specifications

<b>Style Name</b>	Hush II	<b>Rolls Per Pallet</b>	12
<b>Style Number</b>	071VS	<b>Recycled Content</b>	85% Pre-Consumer
<b>Roll Size</b>	280 sq ft (Roll = 42" x 80')	<b>Rapidly Renewable Content</b>	Approximately 50% Cork
<b>Thickness</b>	2.5 mm		
<b>Roll Weight</b>	42 lbs		

### Impact Insulation Class (IIC) Rating (ASTM E492-09/E989-06)

When paired with the appropriate resilient flooring, results typically range from 50-70, depending on subfloor assembly and resilient product. For specific results, please contact your account manager.

### STC Rating (ASTM E90 / E413)

STC (Sound Transmission Class) is a measure of airborne sound transmission loss in an adjacent room. Floor-covering affects sound generated in the room above and below. Floor covering does not affect STC, but floor assembly construction and amount of insulation in a ceiling.

# Installation Instructions

The following installation instructions are a recommendation and are not intended as a definitive project specification. They are presented in an attempt to be used with recommended installation procedures as published by the Resilient Flooring Industry. For use with Resilient Plank and Tile only, NOT for use with resilient sheet goods.

## Site Conditions

The installation site must be acclimated, with the HVAC system in operation. The floor and room temperature, as well as the Hush II underlayment, flooring materials and adhesives must be maintained at 65–85° F and the relative humidity below 60% for 48 hours prior to, during and after the installation.

## Subfloor

1. All substrates shall be smooth, structurally sound, permanently dry, clean and free of all foreign material such as dust, wax, solvents, paint, grease, oils, old adhesive residue, curing and hardening compounds, sealers and other foreign material that might prevent adhesive bond.
2. Concrete subfloors shall be flat and smooth within 1/8" in 6 feet or 3/16" in 10 feet.
3. Wood subfloors need to be structurally sound and in compliance with local building codes.
4. Inspect concrete subfloors for any open cracks and fill with a high-grade epoxy filler or polymer modified cementitious floor patch.
5. Lightweight concrete or gypsum based subfloors must be free of structural cracks and prior to the application of an adhered underlayment or finish floor, must be primed with two coats of the SHAW 9050. If the underlayment is loose laid, priming is not required.
6. Remove any excess lumps or residue from the subfloor that may interfere with the installation of the SHAW Hush II underlayment or would possibly "telegraph" through the finished flooring.

## Testing for Moisture – Concrete

- Calcium Chloride test method per ASTM F 1869 or In-Situ Relative Humidity test method – ASTM F 2170 test must be performed.
- Lightweight concrete: Internal Relative Humidity – Tests should be performed per the latest edition of ASTM F 2170. Three internal relative humidity tests should be conducted for areas up to 1000 sf.

## Perimeter Isolation

It is important that the finished flooring not directly contact the perimeter walls or vertical partitions of the entire floor area, including any openings or protrusions such as electrical boxes, heating ducts, cold air returns, columns or pipes in the subfloor installation.

Perimeter Isolation can be achieved by leaving at least a ¼" expansion gap between finished flooring and the fixed partitions or walls.

## Adhesives

**SHAW 200 TPS:** 1/16" x 1/16" x 1/16" square notch trowel is required. Maximum moisture vapor emissions must not exceed 5 lbs/1000 sf per 24 hrs using the Calcium Chloride ASTM F 1869 or 85% rh using the In-Situ Relative Humidity ASTM F 2170 and a pH level between 5–9.

**SHAW S150:** Spray adhesive: Spread rate is approximately 100–150 sq ft per can depending on the substrate. Moisture vapor emissions must not exceed 90% using the In-Situ Relative Humidity ASTM F 2170 test and a maximum pH level of 10.

**SHAW 4100:** 1/16" x 1/32" x 1/32" U-notch trowel. Moisture vapor emissions must not exceed 90% using the In-Situ Relative Humidity ASTM F 2170 test and a maximum pH level of 10.

## Installation for Glued Down Luxury Vinyl Plank and Tile ONLY (Double-Glue)

1. Cut the SHAW Hush II roll material to the desired length and position the material in the space to be covered.
2. Proceed to cover the entire room, making sure the sheets are tightly butted together, without gaps. Open seams and gaps will "telegraph" through most vinyl, so the underlayment work must be as smooth and well seamed as possible.
3. Never mechanically fasten the sheets to the subfloor, as this will severely diminish the acoustical value of the product.
4. Pull the loose laid material back at least half the length of the cut material and apply an approved adhesive to the substrate.
5. SHAW 200 TPS: Use a 1/16" x 1/16" x 1/16" square notch trowel and allow adhesive to flash off 10–20 minutes. Note: For lightweight concrete primed with Shaw 9050, or other limited porosity substrates, use a 1/16" x 1/32" x 5/64" U-notch trowel, making sure to completely cover the substrate. Allow a 30–40 minute flash time and install the Hush II underlayment while the adhesive is partially but not completely dry.
6. When using SHAW S150 spray adhesive, spray an even amount of adhesive on the subfloor (approximately 100 sq ft per can) and allow the adhesive to dry to the touch before installing the Hush II underlayment.
7. SHAW 4100: Use a 1/16" x 1/32" x 1/32" U-notch trowel and allow adhesive to flash off 10 minutes.
8. Install the underlayment and, upon completion, roll the material with a roller (75 lbs or less) to insure contact with the adhesive.
9. Hush II underlayment should cover the entire floor area without gaps and be securely bonded with the joints tightly butted.
10. Allow underlayment to cure for a minimum of 3–4 hours.
11. After 3–4 hours you can then proceed to install the luxury vinyl tile or plank following resilient installation guidelines for a non-porous substrate (adhesive in pressure sensitive mode)

**Installation for Floating Resilient Floors** (Residential application only) Commercial products – underlayment must be full spread prior to floating vinyl products.

1. If the underlayment is to be loose laid, the seams should be securely taped and it may also be advisable to bond it to the subfloor at the perimeter, doorways and/or areas that transition into other flooring materials, using either an adhesive or commercial grade double faced tape.
2. Cut the SHAW Hush II roll material to the desired length and position the material in the space to be covered. Proceed to cover the entire room, making sure the sheets are tightly butted together, without gaps. Open seams and gaps will "telegraph" through many resilient flooring products, so the underlayment work must be as smooth and well seamed as possible.
3. Once the underlayment is installed on the subfloor, care should be exercised to avoid having it move or shift during the installation of the finished flooring. Follow resilient installation instructions for installing the finished flooring product.
4. If a rigid baseboard or shoe molding detail is required, leave a minimum 1/8" gap between the finished floor and the bottom of the quarter round or baseboard molding. This gap can be filled with a non-hardening, color matching, paintable or clear Acoustical Grade Sealant.