



Premium Building Products
That Protect

WHISPER MAT® HW

PRODUCT DATA SHEET



1. PRODUCT NAME

Whisper Mat HW

2. MANUFACTURER

Protecto Wrap Co.
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3. PRODUCT DESCRIPTION

Whisper Mat HW is a peel & stick non-permeable sound control membrane for engineered hardwood and laminate flooring.

Accessory Materials

No. 6000 Primer - This high tack water based primer is ideal for use on indoor applications. Available as a concentrate, this primer can be mixed at the jobsite with clean water or used in its full concentrate form, depending on the condition and porosity of the substrate.

Protecto Universal Water Based Primer - High tack water based primer.

Packaging

36" × 50' (914 mm × 15.24 m) rolls
150 ft² (13.9 m²) per roll

Shelf Life

Whisper Mat HW maintains optimum initial adhesion to substrates when used within one year from the date of manufacture.

Uses

- For interior applications under engineered wood and laminate floors

Advantages

- Reduces impact and airborne sound transmissions
- Light Commercial Load Rating
- Moisture and air vapor barrier

Recommended Substrates (Interior Use Only)

- Exterior glue plywood
- Mortar beds
- Concrete
- Cement backer board
- Cement terrazzo
- Ceramic tile and dimensional stone
- Gypcrete
- Stained concrete
- Metal
- Portland based leveling and patching compounds
- Oriented strand board (OSB)

Limitations

- Not for use with solid wood plank flooring or nail down installations without proper substrate preparation
- Not for use as a waterproofing membrane
- Only use approved wood adhesives, contact Protecto Wrap for list of compatible adhesives
- Not recommended for use on concrete floors when hydrostatic head pressure or excessive water vapor transmission exceeds 4lbs. (tested by “Calcium Chloride Test” method), where constant water vapor transmission is present or a relative humidity level of more than 75% of slab, these conditions must be mitigated prior to Whisper Mat HW installation
- Not for use under Gypsum type patches and levelers
- Do not use solvent-based sealants on or around Whisper Mat HW as they may deteriorate the product
- Do not install over wet primer
- Not for use over expansion or structural movement joints
- Not recommended for use where vertical floor movement is present

4. TECHNICAL DATA

Property	Test method	Result
Color		Tan top/black adhesive
Thickness		1/8"
Application Temperature		45°F to 120°F (7°C to 49°C)
Operating Temperature		-20°F to 180°F (-29°C to 82°C)
Delta Impact sound transmission	ASTM E2179	Delta IIC 22

Airborne sound transmission	ASTM E90	STC 52
Impact sound transmission	ASTM E492	IIC 51

Sound Reduction Ratings:

8" Concrete Slab with a Gypsum Board Ceiling Assembly: **IIC 72 STC 71**

8" Concrete Slab - No Ceiling: **IIC 55 STC 53**

6" Concrete Slab - No Ceiling: **IIC 51 STC 52**

Delta Impact sound transmission: **Delta IIC 22**

5. INSTALLATION

Surface Preparation

Follow wood flooring manufacturers recommended installation instructions as to fully adhered or floating floor installation guidelines. Installation must also conform to NWFA standards. Flooring and membrane must acclimate to jobsite conditions before installation.

Substrates

Flooring and membrane must acclimate to jobsite conditions before installation. substrates must be dry, clean and free of dirt, grease, wax, paint, oil or anything that would adversely affect adhesion of the Whisper Mat HW. Not for use on concrete floors when hydrostatic head pressure or excessive water vapor transmission exceeds 4lbs. (tested by ASTM E1869 “Calcium Chloride Test” method), where constant water vapor transmission is present or an RH level of more than 75% of slab, these conditions must be mitigated prior to Whisper Mat HW installation.

Priming

Always apply the Protecto Wrap #6000 primer or Protecto Universal Water Based Primer™ to the substrate and allow to dry (approx 20-30 min.) before installing the Whisper Mat HW to ensure a good bond.

Layout

Unroll Whisper Mat HW with the release liner side down. Precut the length slightly longer than the distance to be covered. Trim membrane to fit tightly against walls and cutouts (within ¼"). Fold back half of the length of the roll back over the other half of the material. Score through the release liner only and take care not to cut completely through membrane.

Application

Pull release liner away from membrane where scored. As the release liner is pulled away, hand-smooth the membrane to contact the primed substrate. Keep the release liner material close to the floor while pulling away; this will allow for a more controlled application of the membrane. Align membranes in a butt joint fashion making sure not to overlap seams.

Note - There will be an immediate and aggressive bond of the membrane to the primed substrate. Realignment of the membrane can be difficult once adherence to the substrate begins.

Wood Adhesives

Contact Protecto Wrap Company for a current list of compatible wood adhesives.

After Whisper Mat HW is installed, follow flooring manufacturer's installation recommendations through the remainder of the flooring installation.

6. AVAILABILITY AND COST

Whisper Mat HW is manufactured in Denver, CO; it is competitively priced and available worldwide through a network of Protecto Wrap distributors. For detailed product information or to find a local representative or distributor, contact Protecto Wrap Company corporate office for information at 1-800-759-9727.

7. WARRANTY

Whisper Mat HW is warranted to be free of defects in manufacture for a period of 10 years.

Protecto Wrap assumes no warranty as to the installation of its products.

8. MAINTENANCE

None required. If installed in accordance with manufacturer's recommendations, Whisper Mat HW should last the life of the structure.

9. TECHNICAL SERVICES

Complete technical assistance and information are available from Protecto Wrap.

10. FILING SYSTEM

Additional product information is available on our website at protectowrap.com or contacting our corporate office at 1-800-759-9727