



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, parquet 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.

Packaging

Whisper Mat HW is available in 36" × 50' (914 mm × 15.24 m) rolls

Coverage

Whisper Mat HW
Approximate 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, parquet and laminate floors

Advantages

- Reduces impact and airborne
- Sound transmissions
- Can be installed with radiant heat floor systems
- Provides a Light Commercial Load Rating
- Provides a moisture and air vapor barrier

Recommended Substrates (Interior Use Only)

- Concrete
- Plywood
- Ceramic tile
- Portland based leveling and patching compounds
- Cement backer board

Limitations

- Not for use with solid wood plank flooring
- Not for use with nail down installations
- Not for use as a waterproofing membrane
- Only use wood adhesives that have been determined to be compatible with Whisper Mat HW
- Not for use on concrete floors where hydrostatic pressure exists or where moisture vapor transmission exceeds 4 lb.
- Not for use under Gypsum type patches and levelers
- Do not use solvent based sealants, sealers or adhesives where contact with membrane may occur
- Do not install over wet primer
- Not for use over expansion or structural movement joints

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 Floor with a Gypsum Board Ceiling Assembly: **IIC 72 STC 71**

6" Concrete Floor: **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 NAWFA standards. Flooring and membrane must acclimate to jobsite conditions before installation.

Wood subfloor

16" Trust/Joist spacing:

Nominal 5/8" (19/32") exposure 1 plywood

Nominal 23/32" exposure 1 OSB subfloor panels

16" – 19.2" Trust/Joist spacing:

Nominal 3/4" (23/32") T&G exposure 1 plywood

Nominal 3/4" (23/32") exposure 1 OSB subfloor panels

19.2" – 24" Trust/Joist spacing:

Nominal 7/8" T&G exposure 1 plywood

Nominal 1" exposure 1 OSB subfloor panels

Concrete subfloor.

Concrete subfloors must be dry, clean and free of dirt, grease, wax, paint, oil or anything that would adversely affect adhesion of the Whisper Mat. Check subfloor for excessive moisture. Using ASTM E1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride. Readings must be less than 4 lb. (1.8 kg). Leveling cements must be completely dry before installing membrane.

Priming

Always apply the Protecto Wrap No. 6000 Primer to the subfloor and allow to dry (approximately 30 minutes) before installing the Whisper Mat HW to ensure a good bond.

Layout

Unroll Whisper Mat HW with the release liner side down. Cut the length approximately 12" 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 subfloor. 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 subfloor. Realignment of the membrane can be difficult once adherence to the subfloor begins.

Approved Wood Adhesive

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.

7. WARRANTY

Call for limitations and coverage.

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 field representatives and distributors or by contacting the manufacturer.

10. FILING SYSTEM

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