PROTECTO WRAP FLOORING UNDERLAYMENTS

PEEL & STICK SOUND REDUCTION & CRACK ISOLATION MEMBRANE FOR THIN-SET TILE APPLICATIONS

Premium Building Products That Protect

RESIDENTIAL • COMMERCIAL
WHISPER MAT® CS is a peel & stick sheet membrane that reduces impact and airborne sound transmissions, and isolates “finished” flooring from subfloor cracks. Designed for thin-set tile applications where sound reduction is required, specified or desired.

Constructed of a top layer of reinforced polyester mesh fabric with a middle layer of sound reduction material and a bottom layer of aggressive rubberized adhesive with an attached release liner for peel & stick application, Whisper Mat CS also has the flexibility and strength to withstand structural movement and concrete shrinkage cracks up to 3/8” without transferring stress load to finished tile. Additionally, excellent moisture resistant properties make this the most comprehensive underlayment product for thin-set tile applications available.

WHY SPECIFY PROTECTO WRAP’S FLOORING MEMBRANES?

Protecto Wrap Company has been manufacturing membranes since 1952 and has built a sound reputation for producing the highest quality products available. Our sheet membranes meet or exceed sound properties for almost any job specification. Protecto Wrap’s strict quality control combined with committed research and development allows for production of the highest quality products available to the flooring and building industries.

PROPERTIES AND ADVANTAGES

- **SOUND REDUCTION RATINGS:**
  - 8” CONCRETE FLOOR WITH A GYPSUM BOARD CEILING ASSEMBLY: IIC 72 STC 72
  - 8” CONCRETE FLOOR: IIC 51 STC 56
  - 6” CONCRETE FLOOR: IIC 50 STC 55
- **SOUND TRANSMISSION REDUCTION:**
  - DELTA IIC 22
- **MOISTURE RESISTANT AND ECONOMICAL**
- **ANTI-FRACTURE RESISTANT TO 3/8”**
- **LIGHT COMMERCIAL LOAD RATING**
- **APPROVED WITH RADIANT HEATED SUBFLOORS**
  - PROVIDES THERMAL BREAK
- **UNIQUELY THIN SYSTEM (110 MIL)**
APPLICATIONS
The sound absorption properties combined with the anti-fracture properties makes Whisper Mat CS an excellent system to enhance ceramic and stone flooring installation performance in:

- Commercial
- Multi-family
- Healthcare
- Educational
- Residential
- Hospitality
- Municipal
- Government
INSTALLATION

Follow flooring manufacturer’s recommended installation instructions. Installation and substrate requirements must also conform to TCNA standards. Flooring and membrane must acclimate to job site conditions before installation. Substrates must be dry, clean and free of dirt, grease, wax, paint, oil or loose foreign matter that would adversely affect adhesion of the Whisper Mat.

Substrates must be checked for excessive moisture. If substrate moisture/vapor is beyond 4 lb. emissions or a relative humidity level of more than 75% of slab. If these conditions exist, they must be addressed before installation of Whisper Mat CS (see “Limitations”). Leveling cements must be completely dry before membrane application.

Priming the substrate: 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 CS to ensure a good bond.

Unroll Whisper Mat CS with the release liner side down. Cut to the appropriate length. Fold back half of the length of the roll back over the other half of the material. Score through the release liner only, taking care not to cut completely through membrane. 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.

Take note: There will be an immediate and aggressive bond of the membrane to the primed substrate. Realignment of the membrane can be difficult once adhered to the substrate.

After Whisper Mat CS is adhered, ceramic or stone tiles can be installed with a latex modified thin set meeting the ANSI 118.6 standard. Follow mortar manufacturer’s recommendations for trowel size and open time. Continue to follow the TCNA’s installation recommendations through the remainder of the installation.

ACCESSORIES

P.W. #6000 water based interior primer concentrate available in 1 gallon containers. Coverage area of approximately 500 sq. ft. per gallon when diluted 2 parts clean water to 1 part concentrate.

Protecto Universal Water Based Primer™ available in 1 and 5 gallon containers. Coverage area of approximately 250-350 sq. ft. per gallon, depending on substrate.

SYSTEM PERFORMANCE

Whisper Mat CS has been tested by the Tile Council of North America (TCNA) for system performance in accordance with ASTM C627 (Robinson Type Floor Tester) and rated for light commercial applications. Sound Control: Protecto Wrap’s Whisper Mat CS has been tested by a certified independent acoustical laboratory in compliance with ASTM E90, ASTM E492 and ASTM E2179.

APPLICATION STANDARDS

ASTM C482 “Bond Strength of Ceramic Tile to Portland Cement”

ASTM C627 “Robinson Floor Test”


TECHNICAL DATA

Thickness 110 mils

Color Grey top, black adhesive bottom

Elongation 500% minimum (rubberized adhesive only)

Application Temperature 45˚F to 120˚F

In Service Temperature -20˚F to 180˚F

WARRANTY

Whisper Mat CS 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.

Protecto Wrap is a proud member of the following trade organizations: