INSTALLATION:

Follow flooring manufacturer’s recommended installation instructions. Installation and subfloor requirements must also conform to TCA standards. Flooring and membrane must adhere to job site conditions before installation. Concrete subfloors must be dry, clean and free of dirt, grime, wax, paint, oil or anything that would adversely affect adhesion of the Whisper Mat.

Subfloor must be checked for excessive moisture. If subfloor moisture/vapor is beyond 4.4 lbs per 1000 sq ft, Whisper Mat CS membranes cannot be used (see “Limitations”). Leading cements must be completely dry before membrane application.

Press the subfloor: Always apply the Protecto Wrap® #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.

Cut the length approximately 1 1/2” longer than the distance to be covered to allow for a trimmed fit. 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 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.

After Whisper Mat CS has 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 requirements through the remainder of the installation.

APPLICATION:

Follow flooring manufacturer’s recommended installation instructions. Installation and subfloor requirements must also conform to TCA standards. Flooring and membrane must acclimate to job site conditions before installation.

Concrete subfloors must be dry, clean and free of dirt, grime, wax, paint, oil or anything that would adversely affect adhesion of the Whisper Mat.

Leveling cements must be completely dry before membrane application.

Priming the subfloor: Always apply the Protecto Wrap® #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.

Cut the length approximately 1 1/2” longer than the distance to be covered to allow for a trimmed fit. 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 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.

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Technical Data:

Thickener: 10% Water
Color: Grey Top, black adhesive bottom
Elongation: 500% minimum (rubberized adhesive only)
Application Temperature: 45˚ to 120˚ degrees Fahrenheit
In Service Temperature: -20˚ to 180˚ degrees Fahrenheit

Warranty:

Whisper Mat CS is warranted to be free of defects in manufacture for a period of 5 years. Protecto Wrap assumes no warranty as to the installation of its products. Should a Protecto Wrap product prove defective during the term of this guarantee, Protecto Wrap will pay for the replacement of the portion of the installation that contains the defective product. This payment will include finish materials, labor and installation, provided the cost per square foot does not exceed the original cost of installation per square foot.

System Performance:

Whisper Mat CS has been tested by the Tile Council of North America (TCNA) for system performance in accordance with ASTM C 627 (Robinson Floor Test) 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:

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Application Standards:

ASTM C482 “Bond Strength of Ceramic Tile to Portland Cement”
ASTM C627 “Robinson Floor Test”

Protecto Wrap is a member of the following trade organizations:
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 use with ceramic and natural stone tile where sound absorption is required, specified or desired. 

Constructed of a Cross Linked Poly-Olefin foam sheet combined with aggressive rubberized adhesive and a polyester mesh fabric, 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 ceramic and natural stone available.

**PROPERTIES AND ADVANTAGES**

- **Sound Reduction Ratings:**
  - 8” Concrete Floor with a Gypsum Board Ceiling Assembly: IIC 72 STC 72
  - 6” Concrete Floor: IIC 50 STC 55
- **Sound Transmission Reduction:**
  - Delta IIC 22
- **Moisture Resistant and Economical**
- **Anti-Fracture Resistant to 3/8”**
- **Thermal Insulation**
- **Light Commercial Load Rating**
- **Approved Over Radiant Heated Subfloors**
- **Uniquely Thin System (110 mil)**

**Composition and Materials:**
Whisper Mat CS is constructed of a top layer of Reinforced Polyester Mesh Fabric embedded into a dense, Cross Linked Poly-Olefin foam sheet, a bottom layer of aggressive rubberized adhesive with an attached release liner for peel & stick application. The membrane is backed on the bottom providing superior adhesion to concrete, tile and asphalt substrates. The Polyester mesh backing makes an excellent bonding surface for thin-setting mortars. Whisper Mat CS contains no VOC’s and is environmentally safe which allows it to be used in confined areas.

**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:

- **Condominiums**
- **Office Buildings**
- **Apartments**
- **Hotels**
- **Single Family Homes**
- **Schools**

**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 membrane selection is the result of years of research and development designed for production of the highest quality products available to the flooring and building industries.

**Basic Uses:**
Whisper Mat CS is designed to be an underlayment for ceramic and stone tile where transmitted or impact sound reduction is required. It may be bonded to 3/4” or 1” thick concrete, precast concrete, 5/8” gypsum board or wood substrates meeting ANSI A108.01 Requirements. Whisper Mat CS is not recommended for use on concrete floors when hydrostatic head or water vapor transmission is more than 4lbs. per 1000 sq. ft. per 24 hours. Whisper Mat CS is not recommended for use where horizontal movement is greater than 1/4”.

**Limitations:**
- Do not use solvent based sealants or sealers where contact with membrane may occur as they may deteriorate the product.
- Whisper Mat CS is not recommended for use on concrete floors when hydrostatic head or water vapor transmission is less than 4lbs. per 1000 sq. ft. per 24 hours.
- Whisper Mat CS is not recommended for use where horizontal movement is greater than 1/4”.
- Existing cracks larger than 1/16” should be prepared with proper backing material prior to installation of membrane.

**Size:**
Available in 36” x 40’ rolls.