

WHISPER MAT® CS

COMMERCIAL GRADE PEEL AND STICK ACOUSTIC UNDERLAY



WHISPER MAT® CS is a peel-and-stick Membrane that reduces impact and airborne Sound transmissions and isolates finished flooring from the transfer of subfloor cracks.

ACCESSORY MATERIALS

Protecto Prime™ - A high tack solvent based primer.

PACKAGING

0.914m × 12.2 m rolls

COVERAGE

Approximate 13 sqm per roll.

SHELF LIFE

WHISPER MAT® CS maintains optimum initial adhesion to substrates when used within one year from the date of manufacture.

Technical Data		
Property	Test Method	Result
Color		Grey Top / Black Adhesive
Thickness		110mil
Application Temp.		45°F to 120°F (7°C to 49°C)
Operating Temp.		-20°F to 180°F (-29°C to 82°C)
Robinson Floor Test	ASTM C627	Light
Delta Impact Sound Transmission	ASTM E2179	Delta IIC 22
Airborne Sound Transmission	ASTM E90	STC 55
Impact Sound Transmission	ASTM E942	IIC 50

SOLE DISTRIBUTOR OF



Premium Building Products
That Protect



LIMITATIONS

- Do not apply over marine-grade plywood, timber flooring, particle board, laminate or fiberglass surfaces
- Not for use under cement and epoxy floor topping systems
- Not for use as a waterproofing membrane - if waterproof installation is required contact Atech representative
- Can be used in conjunction with ATECH® PRIMERS and ATECHPROOF® MEMBRANES.
- Not 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® CS** installation.
- Do not use under mortar beds thicker than 9.5mm installations requiring more than 9.5mm of thin-set mortar need to be raised with a self-leveling compound or a pre-mortar bed and allowed to cure prior to installation
- Do not install over wet primer
- Existing cracks larger than 4.75mm should be prepared with proper backing material prior to installation of membrane
- Not for use over expansion or structural movement joints

USES

For sound control and crack isolation protection on interior applications under thin set ceramic and dimensional stone tile installations.

ADVANTAGES

- Reduces impact and airborne sound transmissions
- Has the flexibility and strength to withstand structural movement and concrete shrinkage cracks up to 9.5mm without transferring stress load to finished tile.
- Can be installed with radiant heat floor systems
- Provides a Light Commercial Load Rating per Robinson test
- Anti-microbial coating and non-wicking fabric top makes an excellent bonding surface for latex modified thin set mortars

SUITABLE SUBSTRATES (INTERIOR USE ONLY)

- Fibre cement sheet
- Mortar beds
- Concrete
- Cement backer board
- Terrazzo
- Ceramic tile
- Porcelain tile
- Stained concrete
- Radiant heated subfloors
- Metal
- Portland based leveling and patching compounds

INSTALLATION

Surface Preparation Substrate must conform to BCA requirements. Assemblies over which **WHISPER MAT® CS** will be installed shall be in conformance with the applicable building codes.

- Flooring and membrane must acclimate to jobsite 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® CS**. 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 CS installation.

PRIMING

Always apply the PROTECTO PRIME™ to the substrate and allow to dry (approximately 20 minutes) before installing the **WHISPER MAT® CS** to ensure a good bond. Contractor must test for proper adhesion.

LAYOUT

Unroll **WHISPER MAT® CS** with the release liner side down. Precut the length slightly longer than the distance to be covered. Trim membrane to fit against walls and cutouts within 6mm. 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.*

After **WHISPER MAT® CS** is installed, ceramic, porcelain or stone tiles can be installed in a 9.5mm or less bed of mortar that meets the relevant standards.

WARRANTY

WHISPER MAT® CS is warranted to be free of defects in manufacture for a period of 10 years. Atech assumes no warranty as to the installation of its products.

MAINTENANCE

None required. If installed in accordance with manufacturer's recommendations,

WHISPER MAT® CS should last the life of the structure.

TECHNICAL SERVICES

Complete technical assistance and information are available from Atech.

PRODUCT DATA SHEET: SHEET MEMBRANES: WHISPER MAT® CS

Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by **ATECH®** either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not **ATECH®** are responsible for carrying out procedures appropriate to a specific application.

Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at time of print. As the information herein is of a general nature, no assumption can be made as to the products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

Safety Precautions

These products may cause allergic reactions through skin contact, goggles, protective gloves and overalls must be worn. Ensure that there is adequate ventilation and avoid breathing the vapour.

Exclusion Clause

1. The information contained in this data sheet is based on many years experience and is correct to the best of our knowledge. **ATECH®** will be under no liability whatsoever whether in:
 - a) Contract or tort (including, without limitation, negligence)
 - b) Breach of statute
 - c) Any other legal or equitable obligation other than the quality of the product at the time of despatch.
2. Any queries about specification use or application should be directed to our technical service department immediately.
3. This exclusion clause does not operate to exclude any warranty that by law may not be excluded.

