

MS-98

UNIVERSAL MOISTURE SUPPRESSION MEMBRANE

MS-98 is a next-generation moisture suppression and floor preparation membrane for use with modular carpet tile to prevent their contact with high moisture, alkalinity, and other adverse substrate conditions. Modular carpet tiles can be installed directly over the **MS-98** membrane using the manufacturer's installation guidelines. **MS-98** also serves as a fabric-reinforced crack isolation sheet (see Limitations). When using the **MS-98** there is zero impact on the floor covering as moisture, pH and other potentially harmful elements never come in contact with the backing!

Multi Protection Features and Benefits

- Protects modular carpet tiles from high substrate moisture and pH.
- Isolates modular carpet tiles from existing adhesive residues and other adverse conditions.
- Low Perm rating (< 0.05), per ASTM E96.
- Protects modular carpet tiles from damaging concrete ASR (alkali silica reactions) and surface salt deposits (efflorescence).
- Recommended for fast track construction.
- Membrane does not support or contribute to microbial growth.
- Reduces sound transmission

Time Saving

- Semi-rigid sheet – easy to position on floors and cut to size.
- Pre-attached seaming system for fast easy installs (5-foot rolls).
- White surface – easy to view under lower light conditions.
- NO primer or shot blasting required. Only a smooth surface needed.
- Simply unroll over a new slab or old adhesive which has been reduced to smooth residue.
- No odor – Great for confined spaces.
- Edge seams are pre-taped for ease of installation. Simply align the edges and peel release paper to seam sheet edges.

Where to Use

- Concrete substrates with high moisture readings up to 98% RH (per ASTM F2170-11) and pH up to 14.0.
- Substrates with existing cutback and other adhesive residues, scraped to a smooth residue.
- Concrete substrates with sealers, silicate curing compounds, or other treatments that would otherwise require removal.
- All commercial and residential construction.
- Cement mortar beds and leveling coats.
- Cement backer units (CBUs).
- Properly prepared cement terrazzo, well-bonded ceramic tile and natural stone, and VCT.
- Exterior-grade plywood for interior residential floors. Plywood must be Group 1, CC-type, conforming to APA classification and U.S. Product Standard PS 1-95 or COFI exterior plywood "Select". (see Limitations)
- Light weight concrete, gypsum based underlayments, and fast track construction.

* All suitable substrates must be properly prepared, smooth and structurally sound.

Limitations for Use

- **Do not** use over cracks or control joints subject to out-of plane movement, or in-plane movement greater than 1/8" inch.
- **Do not** use over plank wood flooring, press wood, particleboard, chipboard, and oriented strand board (OSB), pressure- or oil-treated plywood, Luan plywood, Masonite, self-stick tile, laminate, metal or fiberglass surfaces, or poured epoxy floors or similar dimensionally unstable materials. Constant exposure to moisture may cause structural damage over time to wood products and should be considered prior to installation of **MS-98**.
- **Do not** use over substrates containing **asbestos**, or to isolate **asbestos containing materials (ACM)**.
- **Do not** use on vertical surfaces, under glass tile installations, as a waterproofing or roof deck membrane or wear surface, for submerged applications, or on plywood in exterior applications.
- **Do not** use on exterior floors with improper drainage (no standing water).
- **Do not** use in conjunction with solvent based materials.
- **Do not** apply self-leveling compounds over **MS-98**.

Expansion Joints

- Do not cover any substrate expansion. Provide for expansion joints where specified. Install the specified compressible bead and sealant into all expansion and control joints.

Protection

- Provide for dry, heated storage on site and deliver materials at least 24 hours before work begins.
- Do not store in direct sunlight.
- Protect from spills, contamination, puncture and damage before and during work to ensure a positive bond with the adhesives.
- Always provide proper protection of finished floors when heavy equipment (such as a forklift or scissor lift) is to be used over installations with sheet membrane underlayment during construction.

Disclaimer: Users should determine the suitability of this information or product for their own particular purpose or application. Manufacturer is not responsible for the misuse of this product.

This Technical Data Sheet and the information conveyed herein supersedes all previous versions. User should check website www.xlbrands.com for most recent updates.