

**SPECIFICATION SHEET**

**META-TEC® MS PLUS RESILIENT MBA MOISTURE BARRIER ADHESIVE  
FOR VINYL, RUBBER, FIBERGLASS & POLYOLEFIN BACKED FLOORING**

MS Plus Resilient MBA, with patented Meta-Tec® technology, is a one component 100% solids, cross-linking modified silane polymer-based adhesive formulated for the installation of all types of resilient flooring. This solvent free, water free, and isocyanate free, non-flammable, easy troweling high strength product is an excellent replacement for epoxy and urethane adhesives, and provides excellent installations for vinyl, rubber, fiberglass and polyolefin backed flooring, approved recycled resilient flooring, tile-over-tile applications, and tile, plank & sheet goods over both porous and non-porous surfaces.

MS Plus Resilient MBA, a Class 1 vapor barrier, features extremely low permeability ratings, withstands maximum moisture levels of 10 lbs & 90%RH and is unaffected by concrete slab alkalinity. MS Plus Resilient MBA has low odor, negligible VOC content, contains no hazardous chemicals as per OSHA Regulation CFR 1910.1200 and meets all federal, state, and local governmental indoor air quality regulations. This specially formulated adhesive has good early strength buildup for immediate grab and quickly builds into a tenacious but elastic resilient bond as the adhesive cross-links. It has excellent water and alkali resistance and may be used with confidence over a variety of flooring materials. Plasticizer migration resistance allows installation of a broad variety of resilient floor products.

MS Plus Resilient MBA may be used over APA grade underlayment plywood, association grade particleboard, OSB, cork underlayment, existing well-bonded resilient flooring, terrazzo, cementitious and anhydrite screeds, concrete, and radiant heated subfloors where surface temperatures do not exceed 85°F (29.40°C),. Install above, on, or below grade, in the absence of excessive moisture and alkalinity. The pH levels of concrete should be between 5 and 9. While this adhesive is waterproof when cured, the installation still must be protected from excessive moisture. Moisture levels of concrete must be below 10 lbs. per 1000SF per 24 hrs (according to ASTM F-1869 test method) & 90% RH (tested in accordance with ASTM F-2170). If using MS Plus Resilient MBA as a moisture barrier, use the 1/16" x 1/16" x 1/16" square notch trowel for all installations. However, the moisture content must within the limits recommended by the resilient flooring manufacturer. Always follow resilient flooring manufacturer's guidelines for allowable levels of moisture.

**SUBSTRATE PREPARATION:** Substrate must be sound, smooth, clean, level, dry, and free of dust, dirt, grease, oil, paint, curing compounds, incompatible sealers, fire retardant chemicals, release agents, or any other foreign substance that might interfere with a good bond. Subfloor must be smooth and fully adhered. Depending on the type and condition of the subfloor, mechanical treatment of the subfloor such as mechanical brushing, grinding with coarse sand paper, milling or ball blasting may be required. It is the sole responsibility of the installer/contractor to ensure that the concrete surface is properly prepared prior to installation.

**INSTALLATION:** The adhesive, floor covering, and area to receive flooring must be maintained at a temperature of 65°-95°F (18.30°-35.02°C) and at a relative humidity of 30%-60% for 72 hours before, during, and after installation. Follow the flooring manufacturer's guidelines regarding site conditions, layout, and installation.

Apply MS Plus Resilient MBA Adhesive with the recommended trowel and lay tile, plank or sheet goods immediately into wet adhesive, according to flooring manufacturer's instructions. Adhesive must wet transfer 100% to flooring product to ensure proper bond. Adhesive working time is approximately 45-50 minutes, but will vary with ambient job site conditions. Adhesive is self-leveling so back rolling of the adhesive is generally not necessary. After installation of the flooring, roll installation with a 75-100 lbs roller.

**TROWEL RECOMMENDATIONS**

Type of Installation	Trowel Size* and Notch	Coverage
For Tile & Plank	1/16" x 1/32" x 1/32" U 1.6mm x 0.8mm x 0.8mm U	200 - 300 sq. ft./gal 4.8 – 7.3 sq. meters/liter
For Sheet Goods For Moisture Barrier Application	1/16" x 1/16" x 1/16" Sq. 1.6mm x 1.6mm x 1.6mm Sq.	150 - 200 sq. ft./gal 3.6 – 4.8 sq. meter/liter

\*Trowel dimension is width x depth x spacing. Coverage is approximate and may vary depending on porosity of substrate and the angle at which the trowel is held. **IT IS THE INSTALLER'S RESPONSIBILITY TO APPLY THE PROPER AMOUNT OF ADHESIVE FOR THE JOB CONDITION.**

**PHYSICAL PROPERTIES**

Base: Modified Silane Polymer Blend  
 Appearance: White, smooth, creamy, easy to trowel.  
 Working time: 45-50 minutes depending on temperature and humidity.  
 Shelf life: One year in unopened container at 70° F (21.10° C).  
 Other features: Waterproof when cured, VOC compliant, non-flammable, freeze/thaw stable to 10° F (-12.22° C).  
 Clean up: Use Taylor Touchdown #9 Adhesive Remover/Stripper

**CAUTION**

DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN.

**WARRANTY INFORMATION**

This product is manufactured according to exacting quality control standards and is warranted to be free from manufacturing defects. Defective material called to our attention within one year of manufacture will be replaced. No guarantee, expressed or implied, is made regarding the performance of this product since the manner and conditions of application are beyond our control. For complete warranty information, call Technical Services at 800-868-4583; visit us on the web at [www.wftaylor.com](http://www.wftaylor.com); or e-mail us at [info@wftaylor.com](mailto:info@wftaylor.com).