

DESCRIPTION: META-TEC® MS PLUS WOOD FLOORING ADHESIVE

Taylor Meta-Tec® MS Plus Wood Flooring Adhesive with Meta-Tec® Technology, is a one component 100% solids, cross linking, MS polymer-based adhesive formulated for the interior installation of wood block parquet, engineered wood plank, acrylic impregnated plank, and pre-finished and unfinished solid wood flooring. It is solvent free and isocyanate free, has negligible VOC content, contains no hazardous chemicals as per OSHA Regulation CFR 1910.1200 and is a nonflammable, low odor adhesive that 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.

Taylor Meta-Tec® MS Plus can be used over APA grade underlayment plywood, association grade particleboard, cork underlayments, existing well-bonded vinyl, tile and sheet flooring, terrazzo, cementitious and anhydrite screeds, concrete, and radiant heated subfloors where surface temperatures do not exceed 85°F (30°C). Install above, on, or below grade, in the absence of excessive moisture. While this adhesive is waterproof when cured, the wood flooring still must be protected from excessive moisture. Moisture levels of concrete must be below 3 lbs. per 1,000 square feet per 24 hours (1.36 kg per 92.9 m2 per 24 hours) using an anhydrous calcium chloride test kit according to ASTM F-1869 test method. An alternative method is to check the moisture content throughout the entire thickness of the subfloor with a properly calibrated carbide or electric hygrometer. The moisture content must be within the limits recommended by the wood flooring manufacturer, generally a maximum of 75% RH. Follow wood flooring manufacturer's guidelines for allowable levels of moisture. Wood underlayments must have a moisture content below 12% using a Tramex or Delmhorst wood moisture meter. For concrete slabs with excessive moisture levels, use MS Plus in conjunction with Koester/Taylor 1410 Platinum MAC System.

SUBSTRATE PREPARATION:

Substrate must be sound, smooth, level, clean and dry. It must be free of dust, dirt, wax, loose paint, incompatible curing compounds or fire retardant chemicals, fungicides, release agents, sealers, or any other foreign substances that might interfere with a good bond. Substrate must be level to 3/16" in a 10 ft span (5 mm in a 3m span) Note: When installing thin gauged wood (solid or engineered) irregular substrates may telegraph through as adhesive pulls wood down during curing stages. Therefore substrates must be properly leveled to prevent telegraphing. Fill all cracks, holes and low spots with polymer modified cementitious compound and allow to fully cure before applying adhesive. High spots must be ground level. Substrate, adhesive and wood flooring must be acclimated in an enclosed building with the HVAC operational and running for at least 72 hours before, during and after the installation. The installation temperature and relative humidity must be controlled between 60°F (15°C) and 85°F (30°C), and between 30% and 65% relative humidity, subject to the floor manufacturer's requirements. Open time will vary with temperature and humidity or porosity of the substrate.

TROWEL RECOMMENDATIONS:

Flooring Product	Trowel Size* and Notch	Coverage
All solid wood and engineered wood, All Thickness pre-finished or unfinished.	3/16" x 1/4" x 1/2" Flat V-NOTCH (5mm x 6mm x 13mm)	Coverage: Up to 80 ft ² per gallon
Wood Block Parquet	1/8" x 1/8" x 1/8" Square-NOTCH (3 mm x 3 mm x 3 mm)	Coverage: Up to 80 ft ² per gallon

Note: Trowel dimensions are 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. Trowel illustrations shown above are not at 100% scale.

cont.

INSTALLATION:

1. Follow wood flooring manufacturer's guidelines for layout, design and any special precautions for installation.
2. Spread adhesive using recommended trowel (see trowel recommendation chart). Install wood flooring immediately after adhesive is spread. Working time is approximately 50-60 minutes under acceptable temperature & humidity conditions. Adhesive must transfer 100% to the wood floor. NOTE: Thin-gauged solid & engineered wood and exotic species are very sensitive to job site conditions. Wood flooring manufacturers and Taylor written pre-installation and installation instructions must be strictly followed or the Taylor warranty will be void.
3. Lay wood flooring into adhesive. Wood may slip and move at first so be sure to secure the initial row to limit movement and hold patterns. Occasionally lift a piece of wood to assure adhesive is achieving 100% transfer. If proper transfer is not achieved remove dried adhesive and apply more using recommended trowel. The use of tape to temporarily hold the edges together may be necessary until installation is complete.
4. When installing near a solid object or wall, leave ample room for expansion (see flooring manufacturer's recommended expansion guidelines). Installing wood too tight against a stationary object will not allow room for normal wood expansion, which may cause a failure. When the installation is complete, use wedges or some object to hold wood in place while adhesive dries. Remove wedges after initial setting of adhesive (approximately 2 hours) to allow for normal expansion of wood. Failure to remove wedges can cause the wood flooring to buckle and pop off the substrate.
5. Roll and cross roll floor with a 100-150 lbs (45-70 kg) roller at the end of the installation to ensure proper transfer of adhesive.
6. When installing unfinished wood flooring, wait a minimum of 72 hours before sanding.
7. When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and 24 hours after installation. Failure to turn the heat off may result in shortened working time of the adhesive. Floor temperature must not exceed 85°F (30°C).
8. Restrict light traffic for a minimum of 16 hours. Restrict heavy traffic for a minimum of 24 hours after installation is complete.
9. While this adhesive is freeze-thaw stable it is necessary to protect it from freezing.

PHYSICAL PROPERTIES

VOCs:	Negligible
Appearance:	Off-white, smooth, easy-to-spread mastic.
Working time:	Approximately 50-60 minutes.
Shelf life:	12 months in unopened container at 70° F (20°C).
Other features:	Waterproof when cured, non-flammable. Freeze/thaw stable to 10° F (-12°C).
Clean Up:	Clean-up with 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. For more information refer to MSDS.

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 Taylor Technical Services at 800-868-4583 ext. 221.

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