



Technical Data Sheet

Material Name: **M92X**

Modified moisture-cured urethane adhesive for Mohawk solid and engineered hardwood flooring

Description

A moisture-curing modified urethane adhesive for glue-down solid, engineered, and parquet wood flooring, as well as cork underlayments for indoor, residential or commercial installations over concrete or plywood

Features and Benefits

- Moisture mitigation up to 90% RH
- Sound mitigation and crack isolation
- Zero flash time for immediate installation
- Easy troweling
- No slippage – no need to tape
- Easy surface cleanup
- Health and environmentally conscious formula

Notice

Before use, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. Any claim shall be deemed waived unless made in writing to Mohawk within fifteen (15) days from date issue was or reasonably should have been discovered.

Recommended Use

- Installations above, on or below grade
- All sizes of glue-down engineered wood flooring
- Glue-down solid wood planks up to 3/8" (9 mm)
- Parquet wood flooring
- Cork underlayment

Substrate Requirements

All substrates must be structurally sound, dry, solid, stable, level and flat. The substrate should be clean and free of dust, dirt, oil, grease, paint, curing compounds, concrete sealers, loosely bonded toppings, old adhesive residues (including black cutback adhesive residue) and any other substance that may prevent or reduce adhesion. If present, these substances must be mechanically removed. **Note:** Refer to flooring manufacturer regarding acceptable substrates and underlayments.

Suitable Substrates

- Fully cured, dry concrete
- Approved wood underlayments such as APA exterior-grade plywood
- Pro-Tech M901 membrane
- Cement-based patch, skimcoat and leveling products installed over concrete or approved wood underlayments
- Existing, properly prepared and firmly bonded ceramic tile and cement terrazzo
- Radiant heating systems (properly installed)

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Application

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 section). Install wood flooring immediately after adhesive is spread. Working time is approximately 50 to 70 minutes under acceptable temperature and humidity conditions. Adhesive must transfer 100% to the wood floor. NOTE: Thin-gauged solid and engineered wood and exotic species are very sensitive to job site conditions. Installation instructions, including acclimation of the wood flooring, must be strictly followed or the warranty will be void.
3. Lay wood flooring into adhesive. Wood may slip 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.
4. When installing near a solid object or wall, leave ample room for expansion (see flooring manufacturer's recommended expansion guidelines). Installing wood too tightly 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 similar objects 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 off the heat for 24 hours before, during and 24 hours after installation. Failure to turn off the heat 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. Although this adhesive is freeze-thaw stable, it is necessary to protect it from freezing.

Limitations

- For interior use only
- If Concrete MVER (moisture vapor emissions rate) is between 3 and 10 lbs. and between 75 and 90% RH, then use the recommended trowel for Crack Isolation, Sound Reduction and Wood Adhesion installation method found in Trowel Recommendations to apply the adhesive.
- If Concrete MVER exceeds 10 lbs. and 90% RH, then a moisture mitigation system must be used.
- Do not use M92X as a surface preparation product.
- Do not use M92X to install any wood flooring that the manufacturer does not recommend for gluing down.
- Do not apply over self-stick tile, sheet vinyl, old adhesives, metal, linoleum, laminate, particleboard or stripwood subfloors.
- Air temperature must be between 50°F and 100°F (10°C and 38°C).

Trowel Recommendations

Crack Isolation, Sound Reduction and Wood Adhesion Method

½" x 15/32" V-notch

- Solid and engineered flooring greater than 9/16" thick
- Wide or long planks
- Estimated coverage up to 20 sq. ft. per gallon



1/2" x 15/32" V-Notch
(12.7mm x 11.9mm V-Notch)

¼" x ¼" V-notch

- Solid and engineered flooring less than 9/16" thick
- Estimated coverage up to 30 sq. ft. per gallon



1/4" x 1/4" V-Notch
(6.35mm x 6.35mm V-Notch)

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Trowel Recommendations (Continued)

Wood Adhesion Method

1/8" x 1/8" x 1/8" square-notch

- Dry-back wood parquet flooring
- Estimated coverage 60 to 70 sq. ft. per gallon



3/16" x 1/4" x 5/16" V-notch

- Solid and engineered flooring
- Estimated coverage 50 to 60 sq. ft. per gallon



Other Properties

Appearance: Off white, smooth, easy-to-spread mastic

Working time: Approximately 60 minutes, depending on job site conditions

Shelf life: One year in unopened container at 70° F (21.10°C)

Other features: Waterproof when cured, non-flammable, freeze/thaw stable to 10°F (-12.22°C)

Cleaning: Cleans up with adhesive remover/stripper

Storage: This product should be stored at temperatures between 50° and 90° F (15°- 32° C). Storage conditions outside this range may cause product viscosity to increase.

Caution

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

Emergency

24-Hour Emergency in the USA: CHEMTREC 1-800-424-9300