



## Technical Data Sheet

### Material Name: **M1000**

For the installation of all engineered wood flooring

#### Product Specifications

- Easy to Clean Prior to Curing
- Passes Code Requirements for Sound Reduction (>55 dB)
- No Isocyanates
- Superior Elasticity Compared to Other Brands
- High Bond Strength
- Very Low VOC and Odor
- Environmentally Conscious Bio-degradable Packaging
- FloorScore® Certified

M1000 is a low-VOC, silane terminated polymer adhesive (designed for use on or above grade high moisture slabs) for the installation of engineered wood and bamboo flooring. M1000 is designed for use over bare concrete and other substrates, including APA approved subfloor panels and many other properly prepared existing floors. Installations over existing VCT, vinyl sheet, plank, tile, or other non-cushioned resilient flooring must be skim coated with a quality Portland cement based polymer modified patching / self-leveling compound (carefully following the manufacturers' application instructions) prior to installation. Sealers or curing compounds on concrete substrates must be mechanically removed prior to adhesive application. A bond test should be performed prior to installation.

\* For above or on-grade installations of engineered wood flooring, manufacturer approved solid wood and bamboo plank, and below-grade installations of engineered flooring only.

\* No moisture or pH testing required when installing engineered flooring on concrete substrates above or on-grade with supplied clip-on trowel.

**NOTE:** Supplied clip on trowel must be replaced with each new pail of adhesive. Substrate must be visibly dry with no wetness or standing water. M1000 may be applied to on or above grade concrete slabs with Relative Humidity (RH) readings up to 95% per the latest version of ASTM F2170 and pH up to 11 for the installation of bamboo or manufacturer approved solid wood flooring.

BEFORE USING, READ ALL INSTRUCTIONS OR CALL MOHAWK TECHNICAL SERVICES AT 1-888-387-9881 OPTION #3

#### Substrate Preparation

1. For use on concrete substrates at least 60 days old constructed in accordance with ASTM E1745. Do not use this adhesive on concrete slabs with hydrostatic pressure, water intrusion or where visible signs of moisture are present.
2. Substrates should be structurally sound, well attached, clean, dry and free of existing adhesives, grease, wax, paint, oil, curing or sealing compounds, or any other material that will affect adhesion. Do not use on chemically cleaned substrates. The substrate should be flat within 1/8" over an 8-foot span. Level substrate and fill all cracks, holes and low spots with a polymer modified Portland cement patch or leveling compound.
3. Burnished or steel-troweled concrete substrates must be inspected for porosity by placing a few drops of water on the surface. If the water is not absorbed within 3 minutes, the substrate should be considered non-porous. Abrade the surface with 30-grit sandpaper until porosity is achieved.
4. The installation site should be acclimated with HVAC in operation. The floor and room temperature, as well as flooring materials and adhesive, should be maintained at 65°–85° F and the humidity below 65% for 72 hours prior to, during, and after the testing and installation.



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#### Installation

1. After referring to the flooring manufacturer's layout instructions for expansion space requirements, spread adhesive in a run that is approximately 24" wide or comfortable for your reach. Wear rubber gloves if skin contact may occur. Begin installing wood flooring when adhesive has been spread over a sufficient area. Never spread more adhesive than you can cover in 60 minutes. It is recommended the adhesive be applied by trowel in one direction perpendicular to the wood length.
2. Working time can be up to 1 hour or longer under prescribed installation temperature and humidity.
3. Pick up boards periodically during the installation process to ensure proper adhesive transfer. Coverage requirement is 100% for all flooring. Inadequate coverage will void any warranties.
4. After the flooring is placed, roll the entire installation with a 75 lb. smooth roller.
5. Clean up with a clean cloth dampened with mineral spirits before the adhesive cures. Allow the adhesive to cure for 24 hours before allowing foot traffic. Wait 48 hours before moving heavy furniture.

#### Recommended Trowels (With x Depth x Spacing)

Engineered, Bamboo and Manufacturer Approved Solid Flooring – 3/8"x3/16"x3/8"x1/16" Clip-on Trowel Blade attached to top of pail (approximately 35 sq ft/gal) In order to ensure proper coverage, trowels must be replaced every new pail.

Engineered Flooring only when RH is 80% or less on concrete substrates, a 3/16"x 1/4"x1/2" Flat-V Notch Trowel may be used. (55 sq ft/gal) Trowel should be replaced every 3000 square feet.

**Important:** Only the above specified trowels and application methods are to be used with this adhesive; otherwise, the product performance warranties and liabilities will be made void.

#### Application

\*Not for use with foam-backed parquet.

#### Product Limitations and Application Directives

The adhesive must not be used on wet, frozen, friable or contaminated surfaces. Do not mix this adhesive or add water to it in the pail.

#### Working Time

Approximately 60 minutes at 70° F and 45% RH

#### Cure Time

Under ambient conditions of around 70° F and 45% RH, allow the adhesive to set for 24 hours before allowing normal traffic.

#### Shelf Life

Product is stable for 12 months in unopened container (store under ambient conditions in a dry area). Cured material is not considered hazardous.

This product is considered non-hazardous. VOC compliant with CA SCAQMD Rule 1168. In case of eye contact, flush with water for 10-15 minutes. If irritation persists contact a physician. Prolonged skin contact may cause slight irritation, wash with soap and water. If swallowed, consult a physician. Avoid excessive heat or cold, protect from freezing. Store indoors at a temperature of 65°-85°F. Safety glasses and gloves are recommended. DOT Hazard Class: Unregulated.  
24-Hour Emergency in the USA: Chemtrec 1-800-424-9300