

Stix® 6050

URETHANE WOOD FLOORING ADHESIVE

• EASY TO TROWEL • LOW VOC AND ODOR • EASY TO CLEAN UP PRIOR TO CURING • SUPERIOR ELASTICITY • HIGH BOND STRENGTH

Stix 6050 is a low-VOC, one-component moisture-cured polyurethane adhesive for the installation of engineered and acrylic impregnated wood plank as well as finished and unfinished solid wood flooring over properly prepared concrete substrates and APA approved underlayment grade plywood. Follow the flooring manufacturer's installation guidelines for complete substrate preparation requirements. Closely follow NWFA guidelines when installing solid wood flooring directly to concrete substrates.

- Designed for easy trowel-on application
- Low VOC and low odor
- Minimal shrinking, trowel ridge holding and non slump
- Trowels easily, yet offers good wet green grab
- High bond strength
- Cleans up easily prior to cure
- Superior strength and elasticity gives quieter, cushioned floor installations

Substrate Preparation:

1. Substrates should be structurally sound, well attached, clean, dry, 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 3/16" over a 10-foot span. Level substrate and fill all cracks, holes and low spots with a polymer-modified Portland cement patch or leveling compound. Note: "Hollow spots" are a phenomenon that can occur when wood flooring is installed over an irregular substrate and are an installation issue, NOT an adhesive issue.
2. Test concrete substrate moisture per ASTM F2170. Do not install on concrete substrates where any in-situ Relative Humidity (RH) readings per ASTM F2170 are above 80%.
3. Concrete substrate pH testing should read between 7.0–9.0.
4. Below grade installations are limited to engineered plank only.
5. Wood substrates should test less than 12% moisture using a wood moisture meter.
6. 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°–95° F and the humidity below 65% for 72 hours prior to, during, and after the testing and installation. Follow floor-covering manufacturer's installation instructions for substrate preparation.
7. Never install wood floors unless the heat and air conditioning systems are operating. Follow the wood manufacturer's conditioning instructions.

Installation:

1. After referring to the wood 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 install in 45 minutes. It is recommended the adhesive be applied by trowel in one direction perpendicular to the wood direction.
2. Working time can be up to 1 hour, under prescribed installation temperature and humidity.
3. After the flooring is placed, roll the entire installation with a 100 lbs. smooth roller.
4. During the installation, and before the adhesive cures, clean up excess adhesive with a clean cloth dampened with mineral spirits or other solvent-based cleaner that will not mar the surface of a prefinished floor and will not leave an excessive film on the floor.

5. Allow the adhesive to cure for 4–6 hours before allowing foot traffic. Normal traffic can resume after 12 hours. Wait 24 hours before moving heavy furniture. If unfinished boards are installed allow the adhesive to cure for 72 hours before sanding and finishing.
6. Once the job is complete, inspect the floor to find any adhesive residues. Scrape up any excess adhesive with a plastic spatula that will not scratch the flooring. With a clean cloth and solvent cleaner as described above, clean off smudges from the flooring surface. Finally, go over the floor with a good quality wood floor cleaner to remove any solvent haze.

NOTE: Growth in the width may cause cupping of solid wood floor, which is a natural phenomenon that occurs when moisture at the bottom of the board exceeds the moisture at the top of the board — cupping should not be considered an adhesive or labor defect. This is usually a temporary occurrence that will disappear when the board moisture returns to equilibrium. If all application instructions are followed, cupping will be minimized.

Application:

Floor Type	Trowel Dimensions	Coverage
3-ply, 5-ply and multi-ply engineered/ laminated plank 7" wide or less and 5/8" thick or less. Solid flooring 3" wide or less and 1/2" thick or less	3/16" x 1/4" x 5/16" V-Notch	Approx. 55 square feet per gallon
Solid flooring greater than 3" wide and 3/4" thick or less. 3/4" shorts and parquet	1/4" x 1/4" x 1/4" SQ-Notch	Approx. 35 square feet per gallon
Finger block parquet 1/2" thick or less	1/8" x 1/8" x 1/8" SQ-Notch	Approx. 80 square feet per gallon

Important:

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

Product Limitations and Application Directives:

This adhesive is not a moisture barrier by itself. 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, the adhesive should set to allow light foot traffic after 4 hours. Normal traffic can resume after 12 hours. Higher humidity and temperature will accelerate set speed.

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.

Warnings and Warranties:

KEEP OUT OF REACH OF CHILDREN. PRODUCT INTENDED FOR INDUSTRIAL USE. STORE IN A TIGHTLY SEALED CONTAINER. AVOID DIRECT SKIN CONTACT. NOT FOR INTERNAL CONSUMPTION. CONSULT MATERIAL SAFETY DATA SHEET PRIOR TO USING THIS PRODUCT.