

Dyna-Stix™ Wood

HIGH MOISTURE WOOD FLOORING ADHESIVE

Dyna-Stix Wood is formulated with high tri-polymer content (*for use on slabs with high moisture Relative Humidity (RH) readings up to 85% per ASTM F2170 and 10 pH), for the installation of engineered and acrylic impregnated wood plank, as an adhesive and moisture vapor barrier over properly prepared concrete substrates. **Dyna-Stix Wood** may also be used as an adhesive only on additional substrates including properly prepared APA approved underlayment grade plywood, properly prepared sheet vinyl and VCT, and clean, abraded terrazzo. Do not install over perimeter bonded flooring or rubber flooring. Follow the flooring manufacturer's installation guidelines for complete substrate preparation requirements. Closely follow NWFA guidelines when installing flooring directly to concrete substrates. Use **Dyna-Stix Wood** for all engineered plank and strip flooring and acrylic impregnated wood plank only. Do not use for solid wood planks or strip or bamboo flooring. For solid plank, solid strip and bamboo flooring or concrete substrates with up to 90% RH please use **Dyna-Stix WDU**. Be sure to follow all application instructions below with regard to trowel size and pre-cure time to ensure a successful installation.

Characteristics:

- High initial grab and strong residual bond
- Self-crosslinking – highly resistant to moisture and alkalinity after curing
- Excellent trowel characteristics, spreads easily – non-slumping
- High level of re-tack and wet-out characteristics
- Low odor, environmentally friendly – can be used in occupied areas
- Solvent free – “zero” (calculated) VOC
- No isocyanates, no heavy metals
- Easy clean up – use a white cloth, soap and water when wet; mineral spirits when dry
- Meets all indoor air quality standards
- Can be used on concrete slabs with up to 85% in-situ RH and 10 pH for engineered wood flooring installations

Substrate Preparation:

1. 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 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 RH readings per ASTM F2170 are above 85%. The concrete pH test should read 10 pH or less.
3. Wood substrates should test less than 12% moisture using a wood moisture meter.
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°–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.
5. 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. Begin installing wood flooring when adhesive has been spread over a sufficient area. Never spread more adhesive than you can install in 60 minutes. It is recommended the adhesive be applied by trowel in one direction perpendicular to the wood direction.
2. Engineered plank: After spreading the adhesive, allow 20 minutes minimum open time before placing flooring, depending on the porosity of the substrate and ambient temperature and humidity. Adhesive applied to concrete substrates with hard finishes or that are non-porous will require extended open times.
3. Pick up boards periodically to insure adequate adhesive transfer to the boards, for warranty to apply, boards must have 95% coverage.
4. After the flooring is placed, roll the entire installation with a 100 lbs. smooth roller.
5. Clean up with a white cloth and soap and water while adhesive is wet. Mineral spirits will remove dried adhesive.
6. Allow the adhesive to cure for 24 hours before allowing foot traffic and 48 hours before moving heavy furniture. If unfinished boards are installed allow the adhesive to cure for 72 hours before sanding and finishing.

Note: Growth in the length may cause slight end lifting of engineered flooring, which is a natural phenomenon that occurs when moisture at the bottom of the board exceeds the moisture at the top of the board — end lifting 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, end lifting will be minimized.

Application:

- Engineered planks < ½” in thickness, all widths – Use ¼” x 3/16” Saw-tooth V-Notch (width x depth) Spread 140–160 square feet per 4-gallon pail. 20 minute minimum open time.
- Engineered planks ½” to ¾” thickness, all widths – Use ¼” x ¼” Saw-tooth V-Notch (width x depth) Spread 120–140 square feet per 4-gallon pail. 20–30 minute open time.

*To insure proper coverage, ridges depth and spacing; a new trowel must be used every 500 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.

Shelf Life:

1 year from manufacturing date in an unopened container

This product is not photochemically reactive as defined by California Rules 102 and 443. VOC content is below that established by California SCAQMD Rule 1168.