



Dyna-Stix STP Wood

4-in-1 Wood Flooring Adhesive



Dyna-Stix STP Wood is a 4-in-1 silane terminated polymer adhesive (designed for use on high moisture slabs) for the installation of multi-ply engineered wood, high-density fiber board core wood and acrylic impregnated wood plank, as well as finished and unfinished solid wood flooring (approved in writing by the wood flooring manufacturer for glue down installations), parquet and bamboo over properly prepared substrates.



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Product Details

Follow NWFA guidelines when installing solid wood flooring directly to concrete substrates. Dyna-Stix STP Wood should not be installed over existing VCT, vinyl sheet, plank, tile, or other resilient flooring.

- Passes code requirement for sound reduction per ASTM E90-09 and ASTM E413-10
- VOC Content-Compliant with SCAQMD Rule#1168.

*No moisture or pH testing required when installing engineered plank on concrete substrates above or on-grade.

Substrate must be visibly dry with no wetness or standing water.

*For above or on-grade installations of solid wood and bamboo plank, and below-grade installations of engineered flooring, STP Wood may be used on concrete slabs with Relative Humidity (RH) readings up to 90% per the latest version of ASTM F2170 and pH up to 10.

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 substrates should be flat within 3.17mm over a 2.4m span. Level substrate and fill all cracks, holes and low spots with a polymer-modified Portland cement patch or levelling compound. Note: "Hollow spots" may occur when wood flooring is installed over an irregular substrate and are an installation issue, NOT an adhesive issue.
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 18-30°C and the humidity between 40%-65% for 72-hours prior to, during, and after the testing and installation.

Installation

1. After referring to the wood manufacturer's layout instructions for expansion space requirements, spread adhesive in a run that is approximately 610mm 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 or longer under prescribed installation temperature and humidity.
3. Pick up boards periodically during the installation process to insure proper 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 75-100lb. smooth roller.

Application

Moisture/Sound Control Method Application (clip-on trowel on top of bucket). All types of wood flooring.

9.5mm x 4.7mm x 9.5mm x 1.5mm special notch trowel approximately 0.74-0.98m² per litre.

*If moisture mitigation or sound reduction is not an issue, you may apply adhesive with a 4.7mm x 6.3mm x 7.9mm flat v-notch trowel approximately 1.35-1.47m² per litre.

*Not for use with foam-backed parquet

Traffic

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 finishing.

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 and Cure Time

Working Time: Approximately 60 minutes at 21°C and 45% RH.
Cure Time: 24 Hours, Under ambient conditions of around 21°C and 45% RH.

Clean Up

Clean up with a clean cloth dampened with mineral spirits before the adhesive cures. 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 labour 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 minimised.

Storage and Shelf Life

- 2 years from manufacturing date
- Store between 15°C and 37°C
- Store in a cool, dry, ventilated area
- Do not allow product to freeze