

Dyna-Stix[®] STP

XL Brands[®]



4-IN-1 SILANE-TERMINATED POLYMER WOOD FLOORING ADHESIVE

NO ISOCYANATES • NON-SLUMPING • SOLVENT FREE

Dyna-Stix STP 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. Follow NWFA guidelines when installing solid wood flooring directly to concrete substrates. Dyna-Stix STP should not be installed over existing VCT, vinyl sheet, plank, tile, or other resilient flooring. Dyna-Stix STP is made with MicroSept™ Advanced Antimicrobial System to protect the adhesive from bacteria and fungal growth.



SUBSTRATE CONDITIONS

- Use on porous concrete substrates on or above grade at least 60 days old, constructed in accordance with ASTM E1745, with up to 90% RH (per current ASTM F2170), and pH of 8.0–10.0.

USE WITH

- Multi-ply engineered wood plank
- Acrylic impregnated wood plank
- Finished & unfinished solid wood
- High-density fiber board core wood
- Parquet
- Bamboo

CERTIFICATIONS

- FloorScore® certified for IAQ
- Passes code requirements for sound reduction per ASTM E90-09 and ASTM E413-10 (>55 decibels)
- LEED Credits: IEQ Credit 2.1, 2.2

LIMITATIONS

- Do not allow product to freeze
- Do not use this adhesive on concrete slabs with hydrostatic pressure, water intrusion or where visible signs of moisture are present.
- Shelf life one year from date of manufacture, in unopened container. Store indoors at a temperature between 65-95°F.
- Not for use with foam-backed parquet.

BEFORE YOU BEGIN:

Important: Proper substrate preparations are essential. Moisture testing must be performed and documented before installation begins. Read XL Brands Technical Bulletin titled Substrate Preparation for complete instructions before beginning installation. This document may be found at www.xlbrands.com/resources/technical-bulletins/substrate-preparations. If you have questions, contact XL Brands Technical Department at 706-508-5907 Mon-Fri, 8:00am - 5:00pm EST before you begin.

*No moisture or pH testing required when installing engineered plank (with either a multi-layered plywood or Hevea (Rubberwood) core) on concrete substrates above or on-grade. Substrate must be visibly dry with no wetness or standing water. A moisture barrier must be in place under the slab.

NOTE – products manufactured with HDF cores DO NOT qualify for this installation category.

*For above or on-grade installations of solid wood, high-density fiber board core wood and bamboo plank and below-grade installations of multi-ply engineered wood, Dyna-Stix STP may be used on concrete slabs with Relative Humidity (RH) readings up to 90% per the latest version of ASTM F2170 and pH between 8.0- 10.0.

PREPARATION:

- Do not use this adhesive on concrete slabs with hydrostatic pressure, water intrusion or where visible signs of moisture are present.
- 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.
- 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.
- 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 between 40%-65% for 72 hours prior to, during, and after the testing and installation.

INSTALLATION:

- 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.

- Working time can be up to 1 hour or longer under prescribed installation temperature and humidity.
- 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.
- After the flooring is placed, roll the entire installation with a 75-100 lbs. smooth roller.

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 72 hours before sanding and 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. Not for use with foam backed parquet.

WORKING TIME: Approximately 60 minutes at 70°F and 45% RH.

CURE TIME: 24 Hours, Under ambient conditions of around 70°F 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 natural and 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.

DISCLAIMER:

Users should determine the suitability of this information or product for their own particular purpose or application. Manufacturer is not responsible for the misuse of this product. This Technical Data sheet and the information conveyed herein supersede all previous versions. XL Brands, MicroSept and Dyna-Stix are registered trademarks of Bostik, Inc.. FloorScore is a registered trademark of The Resilient Floor Covering Institute.

FLOORCOVERING

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

TROWEL RECOMMENDATION

3/16" x 3/8" x 3/8" x 1/16" special notch
3/16" x 1/4" x 5/16" flat v-notch

COVERAGE

30-40 square feet per gallon
55-60 square feet per gallon

3/16" x 1/4" x 5/16"

3/16" x 3/8" x 3/8" x 1/16"

IMPORTANT: Use the specified trowel, and replace the trowel blade when worn to ensure proper spread rate.

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