

HydraStix[®] 99

HIGH MOISTURE SERIES

XL Brands[®]

AcouStix[™]

ACOUSTIC MOISTURE BARRIER

HydraStix products are a next generation line of flooring products for the most demanding of installations. **HydraStix 99 AcouStix has been designed for use exclusively with approved XL Brands/Bostik manufactured products and is not warranted with any other manufacturers products.** AcouStix Acoustic Moisture Barrier is designed for use in conjunction with all floating floor systems including solid and engineered wood, laminate, vinyl tile and plank for reducing sound transmission. For direct glue-down installations please contact XL Brands for instructions. AcouStix also controls substrate moisture emissions, and can bridge cracks up to 1/8". Application can also level substrate unevenness and improve the thermal insulating properties of the flooring system. AcouStix is easy to apply compared to typical sound reducing roll membranes. It can only be applied to porous substrates, and cures to a sealed, flat membrane that has low permeability and is unaffected by concrete alkalinity. The silane terminated polymer cures within 6 hours to form a tenacious elastic underlayment. AcouStix is free of solvents, hazardous chemicals (per OSHA Regulation CFR 1910.1200), water and isocyanates. This product is a one component, 100% solids, non-flammable and low odor liquid underlayment with negligible VOC content and is FloorScore[®] Certified.

SUBSTRATE CONDITIONS

- Use on bare concrete substrates with up to 99% RH for flooring installed on or above grade (per current ASTM F2170), and pH up to 12.0.
- Bare concrete surface must be a CSP of 1-2 profile.

USE OVER

APA Grade underlayment plywood
Flooring grade particle board
OSB
Cementitious & anhydrite screeds
Bare, porous concrete

CERTIFICATIONS

- FloorScore[®] Certified
- LEED v4 Credits: IEQ Credit 2.1, 2.2
Sound Reduction Rated :
IIC=70db, STC=62db

LIMITATIONS

- Do not use on substrates that have been chemically cleaned or sealed (topically or entrained), over treated plywood or curing compounds.
- Do not install in standing water or where hydrostatic pressure exists.
- **Shelf life 6 months from date of manufacture, in unopened container.**
Store indoors at a temperature between 65-95°F.
- **STIR BEFORE USE**

CRITICAL!!! READ THE LABEL ON TOP OF PAIL OR THE SUBSTRATE PREP DOCUMENT BEFORE YOU USE THIS PRODUCT.

BEFORE YOU BEGIN:

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

USAGE:

Product must be stirred before use. Use a 1/2 inch variable speed drill with mixing paddle/blade. Run the drill at a very low speed, this will prevent air from being trapped in the sealer. Be sure that product is completely mixed.

AcouStix may be used over APA grade underlayment plywood, flooring grade particleboard, OSB, cork underlayment, cementitious and anhydrite screeds, concrete, and radiant heated subfloors where surface temperatures do not exceed 85°F (30°C).

Install above or on grade, in the absence of standing water and hydrostatic moisture. While this barrier is waterproof when cured, the installation still must be protected from excessive moisture. Moisture levels of concrete must be below 99% Relative Humidity (RH) per current ASTM F2170 and have a pH reading between 8.0-12.0. A proper surface ready to receive the specified coating must be properly cleaned of contaminants. (Concrete must be free of; dust, dirt, wax, paint, old adhesive, curing compounds, fire retardant chemicals, fungicides, release agents, sealers, or any other foreign substances that might interfere with a good bond.) All old adhesive residues, including cutback adhesive, must be completely removed by mechanical means to open the concrete and render it absorbent. A mechanically prepared surface can be accomplished in the following ways; abrasive (sand) blasting, grinding or sanding. The concrete surface profile (CSP) must be between 1-2 to ensure a proper bond. Substrate must be level to 3/16" in a 10 ft. span (5 mm

in a 3m span). Proper substrate preparation is the sole responsibility of the contractor/installer.

CAUTION: Do not use on substrates that have been chemically cleaned. If floor prep products are called for, products designed for high moisture conditions must be used.

INSTALLATION:

AcouStix, adhesive, floor covering and areas to receive flooring must be maintained at a temperature of 65° - 85°F (18° - 35°C) and at a relative humidity of 40% - 70% for 72 hours before, during and continuously after installation. Follow the flooring manufacturer's guidelines regarding site conditions, layout, and installation for their floating floor systems. Apply AcouStix with a 1/4" x 1/4" saw tooth trowel for all installations. Allow the application to cure for approximately six hours.

NOTE:

AcouStix must be cured throughout the film thickness before installing the floor system. The curing time will vary with job site conditions and may require more cure time in areas that are leveled more than 1/8". Curing process may also be longer depending on ambient temperatures and humidity. Cold, or dry climates may extend curing time. Damp mopping the floor prior to application can speed up cure time. Do not leave any standing water. Follow all other instructions for floor preparation.

CLEAN UP:

Use a solvent based adhesive remover/stripper for cleanup. **Do not use water.**

DISCLAIMER:

Bostik / XL Brands manufactured HydraStix Series adhesives and sealers are not moisture barriers and should not be installed/treated as such. Always follow the floor covering manufacturer's guidelines for flooring moisture limitations. HydraStix products are not for use with moisture sensitive flooring. 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, DriSeal, and Stix are registered trademarks of Bostik, Inc.. FloorScore is a registered trademark of The Resilient Floor Covering Institute.

SUBSTRATE

All approved substrates

TROWEL RECOMMENDATION

1/4" x 1/4" Saw-tooth trowel

COVERAGE

30-35 square feet per gallon, depending on porosity and type of substrate.

1/4" x 1/4"

IMPORTANT: Use the supplied trowel which is attached to the product lid. Replace the trowel blade with every pail to ensure proper spread rate.

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