

# HydraStix® 99

HIGH MOISTURE SERIES

XL Brands®

# DS 99

MOISTURE VAPOR REDUCTION SYSTEM

*HydraStix products are a next generation line of flooring products for the most demanding of installations.*

**HydraStix 99 DS 99 has been designed for use exclusively with approved XL Brands/Bostik manufactured products and is not warranted with any other manufacturers products.** DriSeal® 99 (DS 99) is a penetrating and film-forming coating that protects flooring installations against moisture readings up to 99% in-situ Relative Humidity (RH) and pH up to 12.0. When applied to porous substrates it cures to a sealed, flat membrane that has low permeability and is unaffected by concrete alkalinity. The cross-linking modified silane polymer cures within 4 hours to form a tenacious but elastic membrane. **DS 99** is free of solvents, hazardous chemicals (per OSHA Regulation CFR 1910.1200), water, and isocyanates. **DS 99** is a one component, 100% solids, non-flammable and low odor liquid with negligible VOC content that meets federal, state, and local governmental indoor air quality regulations, and is FloorScore® Certified.

#### SUBSTRATE CONDITIONS

Use on porous bare concrete substrates with up to 99% RH and pH of 8.0–12.0 with a Concrete Surface Profile (CSP) of 1-2.

#### USE OVER

On or above grade bare, porous concrete in the absence of hydrostatic moisture/pressure  
Radiant heated floors

#### CERTIFICATIONS

- FloorScore® Certified
- LEED v4 Credits: IEQ Credit 2.1, 2.2,
- VOC content is below that established by California SCAQMD Rule 1168
- California Section 01350 compliant

#### LIMITATIONS

- Must be applied to a porous surface
- Not for outdoor use
- No below grade installations
- **Shelf life 6 months from date of manufacture, in unopened container.**  
Store indoors at a temperature between 65-95°F.
- Cannot be used in the presence of silicate compounds either entrained into the mix or topically applied.
- **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 ½ 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.

DS 99 may be used over concrete and radiant heated subfloors where surface temperatures do not exceed 85°F (30°C). Install above or on grade, in the absence of hydrostatic moisture/pressure. While this barrier resists moisture vapor when cured, the installation still must be protected from excessive moisture. Moisture levels of concrete must be at or below 99% Relative Humidity (RH) per current ASTM F-2170, 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 shot blasting or diamond grinding 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.

#### APPLICATION:

The DS 99, adhesive, floor covering and areas to receive flooring must be maintained at a temperature of 65° - 85°F (18° - 30°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 and layout.

**NOTE:** DS 99 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. **For the application of approved Adhesives, brush or broom the cured DS 99 surface to remove shine.** 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, HydraStix and Stix are registered trademarks of Bostik, Inc.. FloorScore is a registered trademark of The Resilient Floor Covering Institute.



#### RECOMMENDED COVERAGE AND TROWEL:

Use a 5/32" x 5/32" saw tooth trowel for all installations (clip-on trowel attached to lid of pail) Coverage will be 40-50 square feet per gallon, depending on porosity and type of substrate. Allow the application to cure for approximately four hours. For the application of approved Adhesives, brush or broom the cured DS 99 surface to remove shine.

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