



PRODUCT CATEGORY: RESILIENT

HydraStix® 99 ULTIMATE

**RAPID-CURING RESILIENT FLOORING ADHESIVE
FOR HEAVY ROLLING LOADS, DESIGNED FOR
FAST-TRACK INSTALLATIONS**

Rapid curing | No moisture testing required* | High-strength

DESCRIPTION: HydraStix® 99 ULTIMATE is a silane-terminated polymer adhesive that forms a tight moisture-resistant bond with solid vinyl plank, tile, sheet goods and rubber sheet and tile flooring. The adhesive offers better workability for the installer with an extended open time. HydraStix 99 ULTIMATE is excellent for use on installations that require fast curing times and resistance to indentations from heavy point and rolling loads. HydraStix 99 ULTIMATE is suitable for wet room areas due to its resistance to topical moisture. The adhesive is also low odor and easy to spread.

BEFORE YOU BEGIN:

Important: Proper substrate preparations are essential. Surfaces must be clean, dry, and flat; free of voids, projections, loose materials, oil, grease, sealers, curing compounds, paint, adhesive residue, or any surface contaminants that would interfere with the adhesive's bond. Mechanically remove all surface contaminants by grinding or scarifying the substrate.

Surface areas requiring patching or leveling must be treated using XL Brands cement patches and/or self-leveling underlayments". Always conduct a bond test prior to installation."Read XL Brands Technical Bulletin titled "Substrate Preparation" for complete instructions before beginning installation. This document may be found at www.xlbrands.com. If you have questions, contact XL Brands Technical Department at 706-508-5907 Mon-Fri, 8:00am- 5:00pm EST before you begin.

USAGE:

Follow the flooring manufacturer's guidelines for installation for proper adhesive application rate.

USE CHARACTERISTICS

Substrate	Use on porous concrete substrates with up to 99% RH for flooring installed on- or above-grade (per current ASTM F2170), and a pH of 8.0-12.0.
Use With	1. Solid vinyl plank, sheet & tile 2. VCT 3. LVP, LVT 4. Rubber sheet & tile 5. Recycled rubber underlayments 6. Fiberglass sheet 7. Heterogeneous/homogeneous sheet
Indoor Air Quality	1. VOC content is below that established by California SCAQMD Rule 1168
Limitations	1. Do not use on substrates that have been chemically cleaned or over treated plywood. 2. Do not use to install vinyl-backed flooring over asphalt- based (cutback) adhesive residues. 3. Shelf life is 1 year from date of manufacture in unopened container. Store indoors at a temperature between 65-95°F. 4. Do not allow product to freeze. 5. HydraStix 99 ULTIMATE is not a moisture vapor barrier. Substrates with high moisture vapor content require a moisture vapor barrier. 6. Substrate must be clean and porous, at least 28 days old and installed per ASTM F710.

*On new construction or substrates with an intact moisture-vapor barrier.

TROWELS

Substrate	Trowel Recommendation	Coverage
Smooth substrate	1/16" x 1/32" x 1/32" U-notch	220-260 square feet per gallon
Rough or porous substrate	1/16" x 1/16" x 1/16" SQ-notch	120-150 square feet per gallon

1/16" x 1/32" x 1/32"

1.6mm x 0.8mm x 0.8mm

1/16" x 1/16" x 1/16"

1.6mm x 1.6mm x 1.6mm

INSTALLATIONS:

Follow floor-covering manufacturer's installation instructions and proper adhesive application rate. Concrete substrate must be clean and porous, at least 28 days old and installed per ASTM F710. Non-porous substrates must have a texture. Porous substrate should NOT be smooth and reflective; it must have a concrete surface profile of CSP 1-2 similar to a broomed finish, as defined by ICRI (Guideline No. 03732). It also must be tested in accordance with ASTM F3191 and be found porous, where a 1/4" drop of water must absorb into the concrete within 1 minute, and comply with the floorcovering manufacturer's specifications. Concrete slabs cannot have an entrained vapor barrier additive. Use of a topical vapor barrier additive requires a bond test. Hydrastix 99 ULTIMATE is not a moisture vapor barrier and is not a replacement for a moisture mitigation system.

NOTE: It is up to the end user to determine the coverage that is appropriate for flooring and jobsite conditions. Bond testing prior to the installation will help identify the appropriate application rate, open and working time, and any potential bonding problems to the substrate or flooring. Follow the flooring manufacturer's installation instructions and guidelines regarding adhesive application rate and method. Always follow the manufacturers guidelines for layout as well as any product specific installation instructions. HydraStix 99 ULTIMATE may only be used as a wet set adhesive and requires no open or flash time.

Tile/Modular Products:

Never install Tile/Modular products by working on top of the flooring with HydraStix 99 ULTIMATE. Should there be a need to work, walk or kneel on top of the floor prior to a 3 hour cure time, utilize knee boards or any appropriate covering such as 1/4" underlayment or any other panel product that will not damage the flooring and prevent any adhesive displacement, product movement, sliding, etc. until the adhesive has fully cured. From your determined starting point, strike adhesive start and stop lines approximately 2 feet apart or whatever distance is comfortable for your reach, and spread adhesive line to line. Tile/Modular Products may be placed into the adhesive immediately following application. Although not necessary, painters tape can be used to secure rows or ends of tiles that gap. Tile and Modular products should be hand rolled as you go, followed by rolling in both directions with a 75-100 lb., 3 section roller to assure transfer. Periodically, pull back material to assure that you are achieving 100% transfer and not exceeding the adhesive working time.

Sheet Products:

Spread the adhesive using the appropriate trowel notch as determined by the product and subfloor. Sheet products may be placed into the adhesive immediately following application. After placing the material, starting in the center, roll the installation with a 75-100 lb., 3 section roller in both directions toward the walls to expel any trapped air and to assure that 100% transfer is achieved.

ADHESIVE WORKING TIME:

Working time varies under the prescribed installation temperature and humidity; however, the usual working time is between 60 - 90 minutes. Begin installing flooring as soon as the adhesive has been spread. Do not spread more adhesive than can be installed within the

working time. After flooring is placed, roll the entire installation with a 75-100 lb. smooth roller. Important: Coverage requirement is 100% for all flooring. Inadequate coverage will void any warranties. If the adhesive is left open for beyond the working time, it will not provide sufficient adhesion to the flooring.

TRAFFIC:

Allow the adhesive to cure for 3 hours before allowing foot traffic and 6 hours before moving heavy furniture. No heavy traffic, rolling loads, or furniture placement for 12 hours after installation. This adhesive is a moisture-cured adhesive, ambient relative humidity and temperature will affect working time. Humidity affects cure to a greater degree than temperature; the higher the humidity, the faster the cure.

CLEANUP:

Use a clean cloth dampened with denatured alcohol before adhesive cures.

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Always refer to the Safety Data Sheet (SDS) prior to use for proper handling, clean up and spill containment.

SDS documents are available 24/7 at www.xlbrands.com.

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