



PRODUCT CATEGORY: FLOOR PREP

DriSeal® MOISTURE MAX

HIGH-PERFORMANCE MOISTURE
VAPOR BARRIER AND PRIMER

Single Component Water Based Product | Meets ASTM F3513 – 24 Standard
Rapid Drying – 30 minute recoat time

DESCRIPTION: XL Brands® DriSeal® MOISTURE MAX High-Performance Moisture-Vapor Barrier and Primer is a water-based, one-component system formulated to reduce substrate moisture-vapor emissions, prime floors prior to the application of underlayments, and block concrete alkalinity prior to the installation of floating floors or resilient flooring. DriSeal® MOISTURE MAX enhances the speed of flooring installation via fast drying RapidCure Technology and by combining multiple steps into one product. DriSeal MOISTURE MAX meets ASTM F3513-24 for single component, fluid-applied barrier-forming moisture mitigation systems for use under resilient floor coverings. With no mixing required, its easy application makes DriSeal MOISTURE MAX reliable and user-friendly.

SUPERIOR MOISTURE PROTECTION: DriSeal MOISTURE MAX has extremely low moisture vapor permeability and when applied correctly is unaffected by moisture vapor. As a result, expensive and time-consuming concrete moisture testing is unnecessary if the slab is properly prepared, dry to the touch, and fully cured. DriSeal MOISTURE MAX is an ideal solution for meeting ASTM F3513-24 for single component moisture vapor barriers. Approved XL Brands adhesives are identified on the XL Brands Limited Warranty that can be found on the XL Brands website, www.xlbrands.com/us.

ULTIMATE VERSATILITY: DriSeal MOISTURE MAX can be used over properly prepared concrete and cement-based terrazzo prior to the installation of floating flooring systems, self-leveling underlayments and floor patches, and direct-bonded carpet, carpet tiles, sheet vinyl, vinyl/VCT, and LVT or LVP.

WHERE TO USE: Interior floors over concrete substrates.

PRODUCT FEATURES:

- 0 VOC and water-based
- Extended Coverage, 200-250 square feet per gallon for 2 coats
- Unlimited moisture vapor barrier for flooring installations – no testing required!
- Up to 100% RH (ASTM E96), 25lbs MVER (ASTM F1869)
- Premixed and reusable, no waste
- Blocks alkalinity in concrete

- Versatile—for use under most floating and glue-down flooring types
- No primer or sand broadcast needed for underlayments
- Multipurpose primer, pH blocker, and moisture vapor mitigation in one
- Contains RapidCure Technology™
- Compatible with XL Brands soft flooring adhesives and cementitious products
- Suitable for green concrete

MOISTURE VAPOR AND PH PROTECTION: When properly installed, XL Brands DriSeal MOISTURE MAX is designed to reduce the moisture-vapor emission rate of the most challenging concrete slabs up to 100% RH (ASTM E96), 25lbs MVER (ASTM F1869) and pH 14. This nonflammable, low-odor, water-based, non-blushing formulation requires no solvent wiping or sand broadcasting. XL Brands DriSeal MOISTURE MAX is formulated to be effective in blocking the surface alkalinity of concrete slabs, providing a surface pH level of 9 or lower, as recommended by the Carpet and Rug Institute and the Canadian Carpet Institute, making it ideal for bonding with XL Brands pressure sensitive adhesives.

LEED® CONTRIBUTION: This zero-VOC formulation (as calculated per SCAQMD Rule 1113) may contribute toward LEED® credits under Low-Emitting Materials–Coatings.

DIRECTIONS FOR USE: Read and understand technical and safety data sheets completely before beginning installation. Follow industry standards and flooring manufacturer's recommendations for design, layout, and application of flooring materials, including test methods, jobsite temperature, and relative humidity. Always do a test area to ensure product satisfaction, including adhesion to substrate, and/or to become familiar with proper application techniques prior to use. Do not apply DriSeal MOISTURE MAX to surfaces with visible/standing moisture. Slab moisture vapor testing is not required for the application of DriSeal MOISTURE MAX with XL Brands resilient flooring adhesives.

SURFACE PREPARATION: Please refer to and follow industry standards for flooring material being installed prior to using this material. Various materials have vastly different substrate preparation and installation requirements. Those are key to a successful installation regardless of flooring material being installed. DriSeal MOISTURE MAX is uniquely formulated so that it may be applied on green concrete at least 5 days old. A calcium chloride test is not necessary prior to the application of DriSeal MOISTURE MAX but it may be required for the finished floor warranty. Dry time will vary depending on the temperature of the concrete slab.

Surfaces must be absorptive, clean, free from loose materials, oil, grease, sealers, curing compounds, waxes, silicates, laitance, and all other surface contaminants that may inhibit proper bond. Completely remove cutback adhesive residue or other surface contaminants by diamond grinding or shot blasting to open the pores of the concrete. All surfaces to be treated must have a concrete surface profile (CSP) of 1–3 (similar to a broomed finish), as defined by the International Concrete Repair Institute (ICRI), Guideline No. 03732. Concrete must also be tested in accordance with ASTM F3191 and be found porous, where a ¼" drop of water

must absorb into the concrete within 1 minute. If areas require patching or leveling, DriSeal MOISTURE MAX must be applied first to properly prepared concrete and then a Portland-cement based repair patch or self-leveler can be used (i.e. XL Brands PrepStar, RampStar, Grey Patch, Level-1, LiquiCem, or PourLite.).

MIXING: DriSeal MOISTURE MAX does not require mixing. If settling has occurred, DriSeal MOISTURE MAX can be stirred with a trowel or paint stick prior to application. NOTE: Do not use high-speed mixing tools.

INSTALLATION: Apply the product using a 3/8" nap roller. Avoid pouring the material directly onto the substrate; instead, use paint tray or dip the roller directly into the bucket. Ensure the product does not puddle. Apply the first coat in one direction

USE CHARACTERISTICS

Use Environments	Residential	Yes	
	Office/Light Commercial	Yes	
	Heavy Commerical	Yes	
	Hospitals	Yes	
	Wet Areas	No*	
	Exterior	No	
Substrates	Concrete	Concrete: Yes	
		Green Concrete ≥ 5-day-old: Yes	
		Cement Terrazzo: Yes	
Flooring Types, Compatibility & Moisture Mitigation	Bonded LVT/VCT	Yes**	Up to 100% RH
	Floating LVT/VCT	Yes**	Up to 100% RH
	Sheet Vinyl	Yes**	Up to 100% RH
	Carpet	Yes**	Up to 100% RH
	Rubber Flooring	No	--
Underlayments	Rubber Underlayments	Yes	Up to 100% RH
	Cementitious SLUs, Patches, and Adhesives	Yes	--
	Gypsum, SLUs, and Patches	Yes	--
Application and Physical Properties	Application Temperature	40°F to 90°F 10°C to 32°C	
	Dry Time	1st Coat: 30-60 minutes	
		2nd Coat: 30-60 minutes	
	Walkable	1st Coat: 30-60 minutes	
		2nd Coat: 30-60 minutes	
	Water Vapor Permeability	<0.10 perms (ASTM E96); Meets or exceeds ASTM F3515-24	
	ASTM 1869 Calcium Chloride Method	25 lbs. max.	
	ASTM 2170 Relative Humidity Test	Up to 100% RH	
	Application	3/8" nap roller	
	Wet Film Thickness	4.0 mils (each coat)	
Coverage	Two Coats	200-250 ft ² / gal	
Technical Data	Color	Milky White	
	Odor	Mild	
	pH	2.5	
	Density (lbs/gallon)	9.6	
	Shelf Life	12 months	
	Freeze/Thaw Stability	Not Stable	
	Storage Temperature	40°F to 95°F	
5°C to 35°C			
Chemical Properties	Chemistry Type	Acrylic Hybrid	
	VOC Compliant (calculated per SCAQMD Rule 1113)	Yes (0 VOC)	
	Flash Point	>200°F (93°C)	

* Requires the use of a XL Brands waterproofing and crack-isolation system.

** Self-leveling underlayments or floor patches may be required for compatibility with resilient adhesives and to prevent telegraphing of substrate and surface imperfections. Contact Technical Service for more information.

(Left/Right) and let it dry for 30-60 minutes or until it is completely dry to the touch, depending on ambient conditions. Apply the second coat in a perpendicular direction to the first coat. Allow it to dry for another 30-60 minutes. Do not allow more than 24 hours between coats. DriSeal MOISTURE MAX is a 2-coat system. Substrates with a CSP of 3 or may require a light third coat. Apply each coat in a perpendicular direction to the previous coat. Once dry, proceed with the installation of leveling, patch, or finished flooring according to the manufacturer's instructions

CLEANUP: Immediately clean all tools and equipment with soap and water or a mild solvent. Once cured, this material can only be mechanically removed, which may damage some surfaces.

CURE TIME: Light foot traffic can be allowed when the surface is tack free to the touch. Installation of flooring material may usually begin 30-60 minutes after the second coat at 50% RH/70°F (21°C). Times may vary due to substrate condition, substrate type, number of coats required per application, temperature, humidity, and dew point. Installation times may be extended when bonded directly to DriSeal MOISTURE MAX.

COVERAGE: Approximately 200-250 square feet per gallon for 2-coats. Coverage will vary based upon substrate condition, including concrete surface profiles and the number of coats required

LIMITATIONS:

- Always do a test area to ensure product satisfaction, including adhesion to substrate, and/or to become familiar with proper application techniques prior to use. Apply only on absorptive substrate. Always test the substrate for porosity prior to use.
- Due to limitations with gypsum-based materials in wet/moist environments, gypsum-based patches/underlayments should not be used under this system.
- Do not install DriSeal MOISTURE MAX over substrates containing asbestos.
- Thoroughly clean surface or mechanically remove any substance that could interfere with the bond, including dirt, paint, oil, grease, laitance, efflorescence, curing compounds, residue, sealers, and any other surface contaminants that may inhibit proper bond. Do not use acid etching to prepare substrate surface.
- For applications over burnished concrete, contact Technical Service at XL Brands Technical Department at 706-508-5907 Mon-Fri, 8:00am - 5:00pm EST before you begin.
- Do not use in areas subject to hydrostatic head or apply to surfaces with visible/standing moisture.
- DriSeal MOISTURE MAX is not to be used as a waterproofing or anti-fracture membrane.
- Protect installed vapor barrier from jobsite traffic. When working on top of the moisture-vapor barrier, do not wear metal spike cleats, only rubber cleats.

- Do not thin/dilute product with solvent or water.
- For direct-bond applications, pressure sensitive adhesives must be specified for use over non-porous surfaces and roller or spray-applied. Approved XL Brands adhesives are identified on the XL Brands Limited Warranty that can be found on the XL Brands website, www.xlbrands.com/us.
- Concrete must be a minimum temperature of 40°F (4°C) and a maximum of 90°F (32°C).

SHELF LIFE:

1. DriSeal MOISTURE MAX can be used for a period of up to 12 months from date of manufacture if stored in original, unopened container at temperatures above 40°F (5°C). DO NOT ALLOW MATERIAL TO FREEZE.
2. After opening, DriSeal MOISTURE MAX can be saved for reuse up to 6 weeks if properly resealed in original container and stored in proper conditions. Always wipe the pail lip clean prior to resealing to ensure proper seal is achieved.

PACKAGING: 1-gallon pail, 4-gallon pail

CAUTION: IRRITANT. MAY IRRITATE EYES, SKIN OR RESPIRATORY TRACT. CONTENTS MAY BE HARMFUL IF SWALLOWED OR INHALED. Methanol may form during curing. Do not breathe fumes. Do not get in eyes, or on skin or on clothing. Do not swallow. Handle with care. Use only in a well ventilated area or wear a mask. Wear protective clothing including gloves. Wash thoroughly after handling. Store in a cool, dry area. Do not reuse container. KEEP OUT OF REACH OF CHILDREN.

FIRST AID TREATMENT: If in eyes or on skin, rinse with water for at least 15 minutes. If on clothes, remove clothing. If breathed in, remove person to fresh air. If swallowed, call a Poison Control center or doctor immediately. Do not induce vomiting.

SEE SAFETY DATA SHEET

CHEMICAL EMERGENCY: 800-424-9300 (USA),

703-527-3887 (International)

MEDICAL EMERGENCY: 866-767-5089

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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. A functional working moisture barrier/retarder under the existing slab must be in place to use this product. Substrate surface moisture readings (ASTM F2659) found to be above the 4% acceptable range may void the warranty. Always refer to the Safety Data Sheet (SDS) prior to use for proper handling, cleanup, and spill containment. SDS documents are available 24/7 at www.xlbrands.com.
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