

MOISTOP ULTRA[®] 10

UNDERSLAB VAPOR RETARDER

Exceptional Against Moisture Vapor Migration

When you pour a concrete slab on grade, you extend an invitation for any moisture underneath the slab to migrate through the concrete in the form of water vapor. If unchecked, this moisture intrusion trapped under the slab could undermine the integrity of not only the slab, but can lead to catastrophic flooring failures.

“*Moistop Ultra 10 is extremely durable and puncture resistant.*”

Specifying a quality vapor retarder beneath concrete slabs on grade is inexpensive insurance against costly finished floor covering and coating failures. That's why the Fortifiber Building Systems Group[®] offers the

most complete line of underslab products, including the technologically advanced vapor retarder Moistop Ultra 10.

One Chance To Do It Right

Moistop Ultra 10 represents a new standard for concrete underslab products. With a water vapor permeance of .02 perms and a tensile strength and puncture resistance that outperforms even thicker membranes, Moistop Ultra 10 exceeds ASTM E-1745 Class “A”, “B” and “C” requirements for underslab vapor retarders. Manufactured from ISO certified virgin resins through a unique process, Moistop Ultra 10 is extremely durable and puncture resistant.

Moistop Ultra 10 is economically engineered to deliver a superior level of performance at a comparatively low installed cost. And, unlike flimsy poly membranes, the product is specifically designed to deliver long-lasting protection. While Moistop Ultra 10 can stand up to the most rugged jobsite abuse, it is also resistant to degradation from burial — delivering life-long protection from unwanted moisture vapor migration through concrete slabs. The product is an integral component in the Fortifiber Building Systems Group's Moisture Control System for flooring, and engineered to address commercial applications.

Hassle-Free Installation

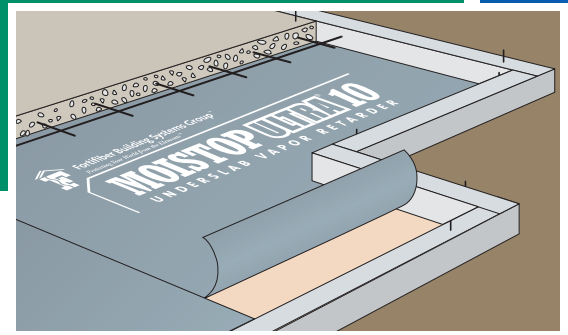
Supplied in seamless 14 foot wide rolls, Moistop Ultra 10 rolls out quickly and smoothly over leveled and tamped soil or compacted fill. There is no need to hassle with awkward panels or flimsy films. Simply overlap the material 6 inches and tape the seams with Moistop[®] Tape.

Specifications & Warranty

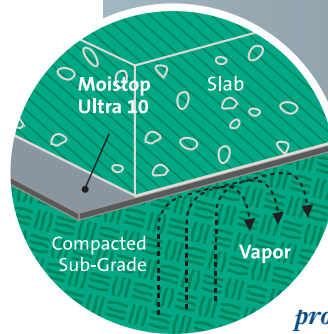
The back of this sheet gives more details on Moistop Ultra 10, including specifications, availability and warranty information.



Moistop Ultra 10 is a product manufactured by the Fortifiber Building Systems Group. With more than a seventy-five year history of proven performance, technical expertise and practical know-how, the company has become a trusted partner to builders, architects and code officials.



10 mil Polyolefin Film



Moistop Ultra 10 protects building interiors from damaging water vapor transmission through concrete slabs.

● EXCEEDS ASTM E-1745 CLASS “A”, “B” AND “C” STANDARDS

● EXCEPTIONAL TEAR STRENGTH

● PUNCTURE RESISTANT

● MOISTOP[®] TAPE

Moistop Tape was designed for use with Moistop Underslab Vapor Retarders. Its excellent adhesion assures tight joints. Available in 4 inch x 180 foot rolls.

● THE BOOT[®]

The Boot's unique design makes quick work of sealing around pipes, conduit and other penetrations of any size.

Product Description: Moistop Ultra 10 is a superior vapor retarder designed for slabs on-grade to stop the migration of moisture vapor through the slab.

Composition: Moistop Ultra 10 is a 10 mil polyolefin film manufactured with a proprietary formulation of ISO certified virgin resins.

Size & Weight: Moistop Ultra 10 is supplied in 2,940 sq. ft. rolls (168" by 210"); weight is approximately 4.8 lbs./100 sq. ft. Thickness is 10 mils.

Applicable Standards: American Society for Testing & Materials (ASTM):

- *ASTM D-882 – Tensile Properties of Thin Plastic Sheeting*
- *ASTM D-1004 – Standard Test Method for Initial Tear Resistance of Plastic Film and Sheeting*
- *ASTM D-1709 – Impact Resistance of Plastic Film by the Free-Falling Dart Method*
- *ASTM E-96 – Water Vapor Transmission of Materials*
- *ASTM E-154 – Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover*
- *ASTM E-1745 – Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs*

Physical Properties: Moistop Ultra 10 is continually tested in accordance with ASTM procedures. The values shown in Table 1 are averages obtained in these tests. Moistop Ultra 10 meets all requirements for Class “A”, “B” and “C” Underslab Vapor Retarders per ASTM E-1745.

Installation: Follow the installation procedures outlined in ASTM E-1643. After the base for the concrete has been leveled, compacted, and tamped, install the vapor retarder

over the base and compacted fill, with the longest dimension parallel to the direction of the pour of the concrete. All joints should be lapped 6” (152 mm) and sealed with Moistop Tape. Seal penetrations with The Boot and Moistop Tape.

Limitations: Product should be covered as soon as possible. Inspect product to ensure it is free of any punctures or damage which may detract from the underslab vapor retarder integrity. Product should be as clean and dry as possible before sealing with Moistop Tape. Not recommended for below grade vertical waterproofing applications.

Availability: The Fortifiber Building Systems Group’s products are distributed nationwide. For product information and pricing, please call a Fortifiber distributor near you. If you need assistance locating a participating distributor, please call our Customer Service Department at 1-800-773-4777.

Warranty: Fortifiber Corporation warrants that its products are in compliance with their published specifications and are free from defects in materials and workmanship for a period of two years from the date of purchase. This warranty does not apply to loss due to abuse. Material found to be defective will be replaced at no charge by Fortifiber, but in no event shall Fortifiber be liable for any other costs or damages, including any labor costs.

THIS EXPRESS WARRANTY IS GIVEN IN LIEU OF AND EXCLUDES ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Fortifiber’s sole obligations under this warranty are as set forth herein. In no event shall Fortifiber be liable for any lost revenue or profits, direct, indirect, special, incidental or consequential damages of any kind.

SPECIFICATION SUMMARY: Provides vapor retarding system, including sealing joints and protrusions through vapor retarder, with accessories as required for complete installation.

VAPOR RETARDER (UNDERSLAB): Fortifiber/ Moistop Ultra 10 Underslab Vapor Retarder 10 mil polyolefin film.

REFERENCE SPECIFICATION: ASTM E-1745 Class “A”, “B” and “C”.

Table 1- Physical Properties

MATERIAL CHARACTERISTIC	ASTM TEST METHOD	E-1745 CLASS “A” REQUIREMENTS	MOISTOP ULTRA 10 RESULTS
Moisture Vapor Permeance	E-154, Section 7 (E-96, Method A)	.10 Perms	.02 Perms
	E-154, Section 7 (E-96, Method B)	.10 Perms	.02 Perms
Tensile Strength	E-154, Section 9 (Method D-882)	45 lb ^f /in (min)	61 lb ^f /in (min)- MD 58 lb ^f /in (min)- CD
Puncture Resistance	D-1709, Method B	2200 Grams (Min.)	3800 Grams

*Moistop Ultra 10 meets all requirements for Class “A”, “B” and “C” Underslab Vapor Retarders per ASTM E-1745.



Fortifiber Building Systems Group®
Protecting Your World from the Elements®

Call 1-800-773-4777 or 1-775-333-6400 for sales and technical assistance. On the Internet visit www.fortifiber.com.