

# CONCRETE Protection

## CURING & ACCESSORIES

The Fortifiber Building Systems Group® offers a complete portfolio of products to enhance the durability of concrete. Moistop Ultra® is a line of underslab vapor retarders that protect from moisture migration through concrete slabs which can cause mold and damage finished floors. Orange Label Sisalkraft® and FortiKure™ products help slow curing time, which can lead to increased strength of concrete. Moistop® Tape can be used to effectively seal lapped edges. Both The Boot® and Moistop Tape can be used to seal around protrusions.

### Moistop Ultra

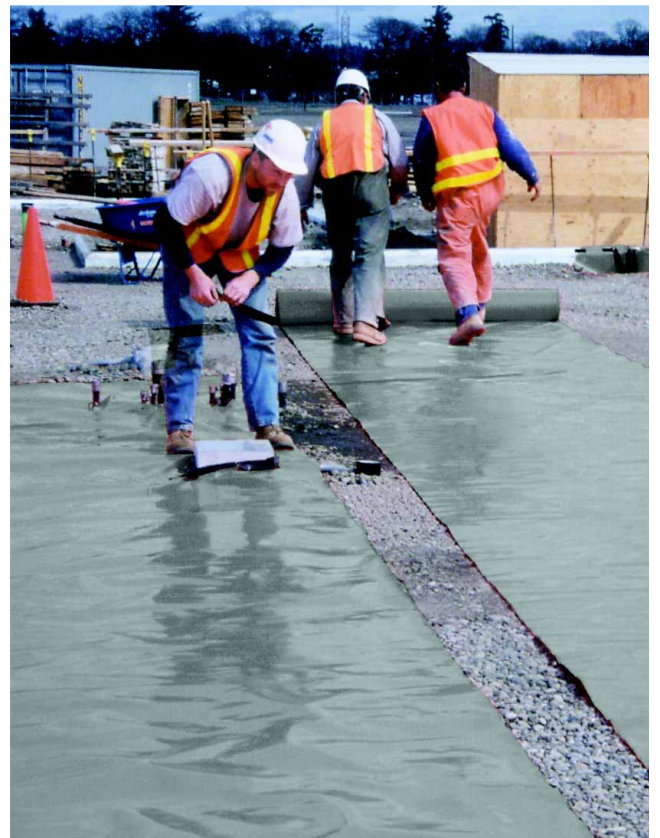
Specifying the Fortifiber® Moistop Ultra Line of ASTM E1745 rated underslab vapor retarders gives you a superior level of performance – as well as rugged protection from jobsite abuse. It prevents unwanted vapor migration through concrete slabs, protecting against mold and other moisture-related problems. Fortifiber offers the broadest and most versatile line of underslab vapor retarders (Ultra 15, 10 and 6) for commercial and residential applications. These products are engineered to:

- Resist hot and cold temperatures
- Resist soil chemicals and pollutants
- Resist punctures and tears

### Decades of Proven Performance

Moistop Ultra is a product offered 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.

- **DELIVERS LIFE-LONG MOISTURE PROTECTION**
- **EXCEEDS ASTM E-1745 STANDARDS**
- **EXCEPTIONAL TEAR STRENGTH**
- **PUNCTURE RESISTANT**



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

**Size & Weight:**

ITEM	DIMENSIONS	SQ.FT./ROLL	LBS/100 SQ.FT.	THICKNESS
Ultra 15	144" by 163'	1,956	7.3	15 mils
Ultra 10	168" by 210'	2,940	4.8	10 mils
Ultra 6	180" by 133'	1,995	2.8	6 mils

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

- ASTM D882 – Tensile Properties of Thin Plastic Sheeting
- ASTM D1004 – Standard Test Method for Initial Tear Resistance of Plastic Film and Sheeting
- ASTM D1709 – Impact Resistance of Plastic Film by the Free-Falling Dart Method
- ASTM E96 – Water Vapor Transmission of Materials
- ASTM E154 – Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover
- ASTM E1745 – Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs

**Installation:** Follow the installation procedures outlined in ASTM E1643. 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 Underslab Vapor Retarder polyolefin film.

**REFERENCE SPECIFICATION:** ASTM E-1745

*Table 1- Physical Properties*

MATERIAL CHARACTERISTIC	ASTM TEST METHOD	E-1745 REQUIREMENTS	RESULTS
Moisture Vapor Permeance	E154, Section 7 (E96, Method A)	.10 Perms	.01 Perms (Ultra 15) .02 Perms (Ultra 10) .04 Perms (Ultra 6)
Puncture Resistance	D1709, Method B	2200 Grams (Class A) 2200 Grams (Class A) 1700 Grams (Class B)	4900 Grams (Ultra 15) 3800 Grams (Ultra 10) 2100 Grams (Ultra 6)

\*Moistop Ultra 15 and Moistop Ultra 10 meet all requirements for Class "A", "B" and "C" Underslab Vapor Retarders per ASTM E-1745. Moistop Ultra 6 meets all requirements for Class "B" and "C" Underslab Vapor Retarders.

## CURING & ACCESSORIES

**Orange Label Sisalkraft:** Reinforced by tri-dimensional fibers, Orange Label Sisalkraft provides superior strength for concrete curing applications. Meets ASTM C171 and Federal Specification UU-B-790a, Types I and II. Available in 3', 4', 6' and 8' widths x 300' rolls.



**FortiKure:** FortiKure is a cost-effective, laminated, non-staining paper for curing decorative and colored concrete. Available in 3', 4', 6' and 8' widths x 300' rolls.



**Moistop Tape:** Moistop Tape's excellent adhesion assures tight joints. It meets the vapor retarding requirements of ASTM E1745. Available in 4" wide rolls x 180'.



**The Boot:** The Boot's unique design makes quick work of sealing around pipes, conduit and other penetrations of any size. 12" x 12".



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

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