# MOISTOP ULTRA®
## CONCRETE & CRAWLSPACE
## Floor Protection

The Fortifiber Building Systems Group® offers a complete portfolio of products to enhance the durability of flooring. Moistop Ultra® is a line of premium vapor retarders that protect floors from moisture migration through concrete slabs and crawl spaces which can cause mold and damage finished floors from below. Moistop Ultra® will not deteriorate over concrete or ground like common poly-films can. Moistop® Tape will effectively seal lapped edges. Both The Boot® and Moistop Tape can be used to seal around protrusions. Ideal as a Class 1 vapor retarder underlayment for sports floors and floating floors where a plastic film is required to be overlaid to concrete substraites.

### MOISTOP ULTRA

Specifying the Fortifiber® Moistop Ultra Line of ASTM E1745 rated virgin resin vapor retarders gives you a superior level of 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 premium polyolefin vapor retarders (Ultra 15, 10) for commercial and residential applications. These products are engineered to:

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

### 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 NWFA GUIDELINE 1.3.IV.E1 OVER CONCRETE**

- **ASTM E 1745 STANDARDS**

- **EXCEPTIONAL ALKALAI, TEAR & PUNCTURE RESISTANCE**

- **USE OVER CONCRETE UNDER FLOATING SUB-FLOORS AND FLOORS**

**COMPOSITION:** Moistop Ultra is a polyolefin film manufactured with a proprietary formulation of ISO certified 100% virgin resins.

## SIZE & WEIGHT:

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

### APPLICABLE STANDARDS:

NWFA Guideline 1.3.IV.E1 Over Concrete
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 recommended installation procedures by NWFA Guidelines, floor manufacturer and building codes. For specific flooring applications, see installation guide on website. In general, install the Moistop Ultra vapor barrier over concrete or ground parallel to the longes wall. Overlap all joints a minimum of 6 inches and seal seam with Moistop Tape. Ultra may be extended up walls or under edge of drywall as desired. Seal all protrusions, i.e. plumbing or posts, using a moisture barrier tape such as Moistop Tape. After installation of flooring, trim Ultra along walls at floor level or trim and cover with base molding as desired.

**LIMITATIONS:** Cover product with flooring 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. Repair any small holes or cuts in ULTRA with Moistop Tape and replace any excessively damaged areas

**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.

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**SPECIFICATION SUMMARY: Provides vapor retarding system, for use on concrete or crawl space ground including sealing joints and protrusions through vapor retarder, with accessories as required for complete installation.**

**VAPOR RETARDER: Fortifiber/Moistop Ultra Underslab Vapor Retarder Polyolefin Film.**

**REFERENCE SPECIFICATION: ASTM E 1745 100% Virgin Resin Film.**

### 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) |
| Puncture + Tear Resistance | D1709, Method B | 2200 Grams (Class A) 2200 Grams (Class A) | 4900 Grams (Ultra 15) 3800 Grams (Ultra 10) |

Moistop Ultra meets all IBC & ICC requirements for Class I Vapor Retarders.

## ACCESSORIES

**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'.

## Fortifiber Building Systems Group®

*Protecting Your World from the Elements®*