

AQUABAR® "B"

HARDWOOD FLOOR & TILE UNDERLAYMENT

In the battle against interior moisture damage, the best defense is a strong offense. When you block moisture vapor from creeping behind finish materials or reaching moisture-sensitive substrates, you help increase the useful

“An extremely effective moisture vapor retarder for use in a variety of interior construction applications.”

life and appearance of finish surfaces. To help win the battle, the Fortifiber Building Systems Group® offers Aquabar "B" as inexpensive insurance to reduce moisture-related problems.

Aquabar "B" floor and tile underlayment is an extremely effective moisture vapor retarder for use in a variety of interior construction applications. Consisting of two layers of kraft paper laminated with asphalt, Aquabar "B" is a non-reinforced 30/30/30 duplex type Grade "B" paper.

An Investment That Pays Dividends

Aquabar "B" is often considered to be cleaner and easier to work with than other materials, such as roofing felt and poly film. Because it is an effective moisture vapor retarder, Aquabar "B" reduces vapor migration to help protect wood floors, tile substrates, and floor and wall cavities from the damaging effects of moisture. Aquabar "B" is recognized as an NWFA accepted product over wood floors as a Class II vapor retarder membrane.

Ideal for Wood Flooring and Tile

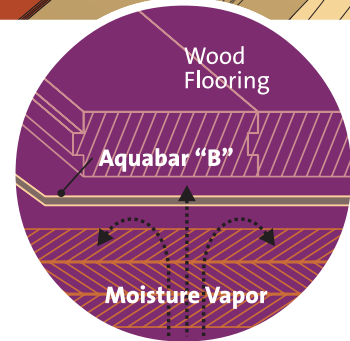
With a moisture vapor permeance of less than 1, Aquabar "B" is a superior vapor retarder under wood flooring applications. Aquabar "B" helps slow moisture vapor originating below the floor system, allowing the wood flooring to acclimate gradually. By reducing the rate of moisture migration, Aquabar "B" protects against moisture vapor related floor problems such as buckling, cupping or cracking. As a semi-permeable material, Aquabar "B" is much less likely than common poly film to trap moisture condensation between it and the sub-floor. Aquabar "B" also acts as a "slip sheet" to minimize dust and reduce noise.

Aquabar "B" is also suitable in interior tile and stone applications as a Class II moisture vapor retardant membrane (or cleavage membrane) for use behind cement backer units. It is also suitable for use as a cleavage membrane in mortar bed applications over wood or concrete substrates. Aquabar "B" reduces the potential for and extent of damage caused by moisture vapor migration in tile installations.



Decades of Proven Performance

Aquabar "B" 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.



Aquabar "B" helps slow moisture vapor originating below the wood floor system.

- HIGH MOISTURE RESISTANCE
- LOW VAPOR PERMEANCE
- 30/30/30 CONSTRUCTION
- CLEAN & EASY INSTALLATION



Product Description: Aquabar "B" is a semi-permeable Class II vapor retarder or cleavage membrane for use under wood floor installations and behind or below tile substrates. Aquabar "B" is rated for "moderate" water-vapor resistance.

Composition: Aquabar "B" is a 30/30/30 Grade B asphalt laminated duplex type kraft paper.

Size & Weight: Aquabar "B" is supplied in 36" wide by 167' lineal feet (500 sq. ft.) and 334' lineal feet (1000 sq. ft.) rolls; product weight is approximately 3 lbs/100 sq. ft.

Applicable Standards: Meets the International Building Code and International Residential Code as a Class II "vapor retarder".

Meets ANSI A108.01 Sec. 3.3.3.1 General Requirements: Subsurfaces and Preparations by Other Trades.

Meets ANSI A108.02 Sec. 3.8.7 Materials, Environmental & Workmanship.

Exceeds Federal Specification UU-B-790a, Type I, Grade B, Style 1a.

Meets NWFA accepted product criteria.

American Society for Testing & Materials (ASTM)

- ASTM D-779 - Standard Test Method For Water Resistance of Paper, Paperboard and Other Sheet Materials by the Dry Indicator Method
- ASTM D-828 - Tensile Properties of Paper and Paperboard Using Constant-Rate-of-Elongation Apparatus
- ASTM E-96 - Water Vapor Transmission of Materials

Physical Properties: Aquabar "B" is continually tested in accordance with ASTM procedures. The values shown in Table 1 are averages obtained in these tests.

Limitations: Aquabar "B" tile and flooring underlayment is not a waterproof membrane and should not be used in waterproofing assemblies or where a waterproof membrane is specified. Do not leave exposed to direct moisture contact or use in areas that are soaked or saturated for extended periods of time, such as gang showers, saunas, steam rooms, hot tubs and exterior areas. Aquabar "B" has little or no noticeable odor, it does contain asphalt, individual sensitivity to chemicals varies and should be considered prior to purchase of any product. Aquabar "B" may be used as a vapor retarder over a radiant heat substrate as long as the substrate temperature is limited to a maximum 80°F. Not recommended for use on exterior surface of studs in wall assemblies as a weather resistant barrier. Properly prepared walls, sub-floors or job site conditions and proper installation of flooring and tile are the responsibility of the installer. In applications where a duplex type reinforced asphalt paper, meeting ASTM C-171, is specified use Fortifiber's Orange Label Sisalkraft®.

Installation - General: Cut Aquabar "B" to length as required for proper coverage and overlap all seams a minimum of 4 inches. Sweep sub-floors of debris to avoid tearing or puncturing. Avoid puncturing Aquabar "B" except with required fasteners.

Installation - Wood Floors: For wood flooring installations, follow the wood flooring manufacturer's instructions, NWFA Installation Guidelines, and local building codes for proper installation of wood flooring over the sub-floor. Concrete or wood sub-floor must be dry and tested for moisture, flat with high spots sanded and low spots filled, structurally sound, and free of protrusions, debris or contaminants.

For concrete sub-floors, ensure that an underslab vapor retarder has been properly installed beneath the concrete slab, such as Fortifiber's Moistop Ultra® family of products. For installations above a crawl space, make sure the ground has been properly covered by a Class I vapor retarder with a minimum perm rating of 0.1 or less and the crawl space is properly cross vented or meets code requirements as a closed crawl space. Over a concrete sub-floor with a "floating wood floor system" or screed system, apply Fortifiber's Moistop Ultra® 6 or FortiFlash for Floors with mechanically-attached wood panels as the required Class I vapor retarder between concrete and plywood. Then install Aquabar "B" over the plywood followed by the wood flooring.

Installation - Tile: Aquabar "B" may be installed on interior walls, floors, and countertops where a moisture retarding cleavage membrane is specified or required by code. Read and follow the architect/specifier's installation instructions or applicable ANSI A108 installation procedures as referenced by the TCNA Handbook for ceramic tile installation. Aquabar "B" is not a waterproof membrane.

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 moderate moisture and moisture vapor retarder underlayment beneath wood flooring, ceramic tile and stone veneer.

MOISTURE VAPOR RETARDER: Fortifiber/Aquabar "B" two-layer, asphalt laminated kraft Grade B paper.

REFERENCE SPECIFICATION: Federal Specification UU-B-790a, Type 1, Grade B, Style 1a.

Table 1- Physical Properties

CHARACTERISTIC	TEST METHOD	RESULTS	INDUSTRY STANDARD
Water Vapor Transmission	ASTM E-96 (A)	0.87 perms	0.1 ≤ 1 perm*
Water Resistance	ASTM D-779	16+ hours	16 hours (min.)**
Tensile Strength	ASTM D-828	MD - 20 lb. f/inch CD - 20 lb. f/inch	MD - 20 lb. f/inch** CD - 20 lb. f/inch

* IBC and IRC

**UU-B-790a



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.

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