

# BARRIER-BAC

Superior Vapor Barrier Products



## Technical Data

## VB-475 (20mil) Vapor Retarder

DIVISION: 072600,033000

Version: October 1, 2025

### 1.0 PRODUCT NAME

**VB-475 (20 mil)**

**Class A Vapor Retarder**

Exceeds ASTM E 1745 class A, B & C Vapor Retarder Specifications

### 2.0 MANUFACTURER

Inteplast Group

9 Peach Tree Hill Road

Livingston, NJ 07039

Technical Assistance

Tel: (877) 535-0555

Fax: (800) 709-6002

### 3.0 TECHNICAL DATA

PROPERTY	STANDARDS & TESTS	RESULTS
Under Slab Vapor Retarder	ASTM E 1745: Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs	Exceed class A, B and C
Thickness		20 mil
Roll Dimensions	Width (ft.) x Length (ft.): Total Area:	14 ft. x 105 ft. 1470 sq. ft.
Roll Weight		144 lbs
Water Vapor Permeance (ASTM E 1745 - 7.1.1)	ASTM E 154 Section 7, E 96B ---Standard Test Methods For Water Vapor Transmission of Materials	0.01 (US Perm.)
PermeanceAfterConditioning ASTM E1745 (Sec.7.1.2 - 7.1.5.)	ASTM E1 54, Section 8, E96B - Permeance after Wetting, Drying and Soaking	0.01 (US Perms)
	ASTM E1 54, Section 11, E96B - Permeance after Heat Conditioning	0.01 (US Perms)
	ASTM E1 54, Section 12, E96B - Permeance after Low Temperature Conditioning	0.01 (US Perms)
	ASTM E1 54, Section 13, E96B - Permeance after Soil Organism Exposure	0.01 (US Perms)
Tensile Strength (ASTM E 1745 - 7.2)	ASTM D 882 ---Standard Test Method for Tensile Properties of Thin Plastic Sheetting	93.1 (lbf / in)
Puncture Resistance (ASTM E 1745 - 7.3)	ASTM D 1709 ---Standard Test Method for Impact Resistance of Plastic Films by the Free Falling Dart Methods	4886 (grams)
Methane Transmission Rate	ASTM D 1434 ---Standard Test Method for Determining Gas Permeability Characteristics of Plastic Film And Sheetting	165.3 (cm <sup>3</sup> /[m <sup>2</sup> *Atm*day])
Radon Diffusion Coefficient	ISO / TS 11 665-1:3 (Method A)	6.6 x 10 <sup>-12</sup> m <sup>2</sup> /S

Note: The above properties were tested by independent labs.

**Technical Data****VB-475 (20mil) Vapor Retarder**

DIVISION: 072600,033000

**4.0 PRODUCT DESCRIPTION**

- **VB-475 (20 mil) Vapor Retarder** is a multi-layer, under-slab vapor barrier. It is manufactured to the highest standards with proprietary polyolefin resins developed for the construction industry and the folding style is easier for construction workers to align and tape together. It is made in USA.
- Our Vapor Retarder can be used to prevent moisture migrating through concrete slabs, and it may also be used to control radon, methane, sulfates and many other soil contaminants.

**5.0 INSTALLATION**

**VB-475 (20 mil) Vapor Retarder** shall be installed over tamped earth, sand or aggregate base by unrolling and completely covering area to receive building slab or specified area. Overlap all seams a minimum of 6" and seal with Barrier-Bac White Bond Tape. All penetrations must be sealed with Barrier-Bac membrane and Barrier-Bac White Bond Tape per manufacturer's recommendations. Specific project details and recommendations can be provided by Inteplast Group upon request.

**6.0 AVAILABILITY & COST**

**VB-475 (20 mil) Vapor Retarder** is available nationally through our network of building supply companies. Please contact our corporate office for a distributor in your area. **VB-475 (20 mil) Vapor Retarder** is cost efficient. Pricing can be obtained by contacting your local Barrier-Bac distributors or sales representatives.

**7.0 WARRANTY**

We warrant and guarantee our specifications as published. Published test results are based upon accepted industry practice as well as the test methods called for and listed on our test documents. We believe, to the best of our knowledge, that our published results are accurate and reliable and that they represent our vapor retarder membrane. Inteplast Group cannot control site conditions and improper installation practices. Therefore, no warranty, expressed or implied, is given, including those of merchantability, fitness for a particular purpose or any other matter with respect to the product.

**8.0 MAINTENANCE**

No maintenance is required.

**9.0 TECHNICAL SERVICES**

Technical services for all of our products can be obtained by calling our corporate office.

Corporate Office:  
(877)535-0555

**10.0 FILING SYSTEMS**

Barrier-Bac brochures are available from Barrier-Bac distributors, sales representatives, Inteplast Group and on our website:  
<http://www.BarrierBac.com>

**INTEPLAST GROUP®**

OFFICE: 9 Peach Tree Hill Rd., Livingston, NJ 07039  
PLANT: 101 Inteplast Blvd., Lolita, TX 77971

TEL: 877-535-0555

FAX: 800-709-6002

E-MAIL: [info@BarrierBac.com](mailto:info@BarrierBac.com)WEBSITE: [www.BarrierBac.com](http://www.BarrierBac.com) / [www.inteplast.com](http://www.inteplast.com)