



Technical Data

VB-350 (16mil) Vapor Retarder

DIVISION: 07260, 03300

1.0 PRODUCT NAME

VB-350 (16 mil)
 Class A Vapor Retarder
 Exceeds astm e 1745 class a, b & c
 Retarder Specifications

VB-350 (16 mil) Vapor Retarder is manufactured in 12.75 ft x 150 ft rolls (1913 ft²).

VB-350 (16 mil) Vapor Retarder weighs approximately 137 lbs. per roll.

2.0 MANUFACTURER

Inteplast Group
 9 Peach Tree Hill Road
 Livingston, NJ 07039

Technical Assistance
 Tel: (877) 535-0555
 Fax: (800) 709-6002

4.0 TECHNICAL DATA

Applicable Standards:

- ASTM, American Society for Testing & Materials
- ASTM E 1745 Standard Specification for Water Vapor Retarders used in Contact with Soil or Granular Fill Under Concrete Slabs.
 - ASTM E 154 Standard Test Methods for Water Vapor Retarders used in Contact with Earth Under Concrete Slabs, on Walls, or as a Ground cover.
 - ASTM D 1709 Standard Test Methods for Impact Resistance of Plastic Films by the Free Falling Dart Method.
 - ASTM E 96 Standard Test Method for Water Vapor Transmission of Materials.
 - ASTM D 882 Standard Test Method for Tensile Properties of Thin Plastic Sheeting.
 - ASTM E 1643 Standard Practice for installation of Water Vapor Retarders used in Contact with Earth or Granular Fill Under Concrete Slabs.

3.0 PRODUCT DESCRIPTION

Uses: VB-350 (16 mil) Vapor Retarder is a high performance under slab vapor retarder developed for the construction industry to retard moisture migration through concrete slabs. It may also be used to control radon, methane, sulphates and many other soil contaminants.

3.1 COMPOSITION

VB-350 (16 mil) Vapor Retarder is manufactured to the highest standards with only high-grade virgin polyolefin resins. The manufacturing process for the VB-350 (16 mil) Vapor Retarder is made by IntePlus® XF Film, a three-layer, co-extruded, cross-laminated system.

ACI, American Concrete Institute

- ACI 302.1 R-04 Minimum Thickness (10 mil)

Table 1: Physical Properties of VB-350 (16 mil) Vapor Retarder

Classification	ASTM E 1745	Exceed Class A, B and C
Water Vapor Permeance	ASTM E 96	0.009 perms (US)
Tensile Strength	ASTM E 154-93 (ASTM D 882)	63 lbf/in
Puncture Resistance	ASTM D 1709	2750 grams
Life Expectancy	ASTM E 154	indefinite
Chemical Resistance	ASTM E 154	unaffected



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5.0 INSTALLATION

VB-350 (16 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 Seam Tape or heat weld. All penetrations must be sealed with Barrier-Bac membrane and Barrier-Bac Seam Tape per manufacturer's recommendations.

Specific project details and recommendations can be provided by *Inteplast Group* upon request.

6.0 AVAILABILITY & COST

VB-350 (16 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-350 (16 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

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