

VBC-350 Composite Vapor Barrier

VBC-350 Description

VBC-350 is a 31 mil Composite vapor barrier with non-woven geo-textile fabric laminated with Inteplus XF film. With the extra lamination, VBC-350 provides a mechanical bond with concrete when placed with geo-textile fabric facing concrete pour (The Peel Adhesion to Concrete up to 8 lbs/in). This bond greatly improves slab protection from moisture migration by maintaining tight contact with the slab, especially under expansive soil conditions where foundations may swell and contract.

VBC-350 Applications

VBC-350 offers extra cushion; tensile resistance and permeance for projects requiring extra protection from moisture migration. Typical use includes projects with expansive soil conditions, void formed slab and high water table.

Expansive soil is usually clay or shale that swells when wet and contracts when dry. The repeated swelling and contracting causes cracked foundations. Projects involving expansive soils require special foundations and void forms are usually used. The strong mechanical bond between the concrete and VBC-350's geo-textile layer gives extra protection against moisture migration on top of such a kind of formed foundation.



VBC-350 A Hospital Project, Dallas, TX



VBC-350 Availability

VBC-350 is available in standard roll size 6 ft × 150 ft. However, other colors and sizes are available upon request.

** Expansive soil problems are more severely affected in the following areas: Colorado, Texas, North Dakota, South Dakota, Montana, Louisiana and Mississippi.*

VBC-350 Dulles International Airport Monorail Tunnel, Washington DC

Specifications: VBC-350

Physical Properties and Typical Values

| Film ID | | 350 gsm film W/Fiber | |
|---|------------|----------------------|---------------------|
| Thickness (gsm) | Internal | — | 510 |
| Tensile @ ULT (lbs/in) | ASTM D882 | MD / TD | 136.8 / 103.2 |
| Elongation @ ULT(%) | ASTM D882 | MD / TD | 789.1 / 857.1 |
| Dart Impact (grams) | ASTM D1709 | Method B | 5210 |
| Elmendorf Tear (grams) | ASTM D1922 | MD / TD | >13,000 / >13,000 |
| Puncture-Prop. Tear (grams) Sled : 1 - lb | ASTM D2582 | MD / TD | >230,882 / >230,882 |
| Beach Puncture Tear (in - lbs) | ASTM D781 | MD / TD | 170.8 / 168.2 |
| Baseline Water Vapor Permeance (US Perms) | ASTM E96 | Method B | 0.007 |

Note: Information herein, to the best of our knowledge, are typical property values and intended as guides only. Inteplast Group makes no warranties as to the suitability for specific use of merchantability of products referred to, no guarantee, expressed or implied, is made as to product application for a particular use.

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