

SPECIFICATION INFORMATION



6.5 mil

Vapor Retarders

Division: 07260

Division: 03300

Revision #7

1.0 Product Name

Viper™ VaporCheck 6.5
Under-Slab Vapor Retarder.

2.0 Manufacturer



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3.0 Product Description

3.1 Basic Use:

Viper™ VaporCheck 6.5 is a high performance under-slab vapor retarder designed to retard moisture migration through concrete slabs-on-grade. Viper™ VaporCheck 6.5 helps to protect flooring and other moisture sensitive furnishings in a building's interior from moisture migration.

Viper™ VaporCheck 6.5 can also reduce condensation, mold and degradation by controlling water vapor migration.

3.2 Composition & Materials:

Viper™ VaporCheck 6.5 is a 6.5 mil triple ply, extrusion coated, virgin polyethylene membrane. Viper™ VaporCheck 6.5 is manufactured using woven high-density fibers yielding the highest strength to weight ratio, tensile strength, tear resistance, bursting strength and puncture resistance of any product produced of its kind.

3.3 Size:

Viper™ VaporCheck 6.5 is available in 2400 sq. ft. rolls (12' X 200').

3.4 Weight:

Viper™ VaporCheck 6.5 weighs approximately 25 lbs. per 1000 sq. ft.

4.0 Technical Data

4.1 Applicable Standards

American Society for Testing & Materials (ASTM)

- ASTM E 1745 Standard Specification for Plastic 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 Ground Cover
- ASTM D 1709 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method / ASTM D 5602 Standard Test Methods for Static Puncture Resistance of Roofing/Under Slab Membrane Specimens
- ASTM E 96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM D 882 / ASTM D 751 Standard Test Method for Coated Fabrics
- ASTM E 1643 Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs

Note: To the best of our knowledge, these are typical property values and are intended as guides only, not as specification limits. Insulation Solutions Inc.® makes no warranties as to the fitness for a specific use or merchantability of products referred to, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

PROPERTIES	TEST METHOD	VIPER VAPORCHECK 6.5	
		English	Metric
<i>Test Results - Independent Test Facility</i>			
Thickness, Nominal		6.5 mil	0.15 mm
Weight Per MSF		25 lbs.	11 kg
Classification	ASTM E 1745	CLASS A, B, C	
Tensile Strength (New Material)	ASTM E 154, Sec. 9	69.0 lbs. (MD) 67.7 lbs. (TD)	31.3 kg 30.7 kg
Tensile Strength (After Soaking)	ASTM E 154, Sec. 9	68.6 lbs. (MD) 73.4 lbs. (TD)	31.1 kg 33.3 kg
Tear Strength	ASTM D 751 Tongue	35 lbs. (warp) 30 lbs. (weft)	15.8 kg 13.6 kg
Bursting Strength	ASTM D 751 Mullen	210 lbs.	95.3 kg
Puncture Resistance	ASTM D 1709	8,825 grams	
Puncture Resistance	ASTM D 5602	60 lbs.	27,216 g
Maximum Use Temperature		180° F	82° C
Minimum Use Temperature		-70° F	-57° C
Permeance	ASTM E 154 Sec. 7 ASTM E 96 B	.0095 perms CLASS A	.0063 perms CLASS A

