

VAPORFLEX® STANDARD

Layfield's VaporFlex® Standard transforms your approach to moisture control. VaporFlex® Standard prevents moisture and water vapor from infiltrating your concrete slabs and foundations, actively discouraging mold growth and blocking harmful vapors from permeating your building interiors.

Notably, VaporFlex® Standard goes above and beyond, surpassing all standards set by ASTM E1745 requirements for a CLASS A vapor barrier – the pinnacle in performance for "Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs." Elevate your protection standards.

January 2024		VaporFlex® Standard			
Properties	ASTM	Class A Requirements ²	VaporFlex® 10 mil	VaporFlex® 15 mil	
Thickness (Nominal)	D5199	N/A	10 mil 0.250 mm	15 mil 0.375 mm	
Baseline Water Vapor Permeance	E154 Section 7	0.10 Perms	0.044 Perms	0.020 mm	
Permeance after Wetting Drying and Soaking	E154 Section 8	0.10 Perms	0.057 Perms	0.050 Perms	
Tensile Strength After Soaking	E154 Section 9	45 ppi ³	62 ppi	64.9 ppi	
Resistance to Puncture	E154 Section 10	2200 grams	3500 grams	2968 grams	
Resistance to Plastic Flow & Elevated Temperature	E154 Section 11	0.10 Perms	0.067 Perms	0.026 Perms	
Effect of Low Temperature Bending	E154 Section 12	0.10 Perms	0.068 Perms	0.038 Perms	
Resistance to Organisms and Substrates in Contact	E154 Section 13	0.10 Perms	0.073 Perms	0.044 Perms	
Roll Dimensions	D5596		15' x 196'	12' x 150'	
Radon Diffusion Coefficient	K 124/02/05 method C of ISO/TS 11665/13		2.4x10 ⁻¹¹ m ² /sec	2.2x10 ⁻¹¹ m ² /sec	

Notes:

- (1) Properties listed above are typical values.
- (2) The requirements of a Class A vapor retarder according to ASTM E1745.
- (3) ppi = pounds (force)/inch width

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