

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.

May 2025		VaporFlex® Standard			
Material Properties	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	0.017 Perms	0.009 Perms
	Permeance after Wetting Drying and Soaking	E154 Section 8	0.10 Perms	0.015 Perms	0.01 Perms
	Tensile Strength After Soaking	E154 Section 9	45 ppi ³	60 ppi	87 ppi
	Resistance to Puncture	E154 Section 10	2200 grams	3142 grams	2968 grams
	Resistance to Plastic Flow & Elevated Temperature	E154 Section 11	0.10 Perms	0.016 Perms	0.009 Perms
	Effect of Low Temperature Bending	E154 Section 12	0.10 Perms	0.016 Perms	0.009 Perms
	Resistance to Organisms and Substrates in Contact	E154 Section 13	0.10 Perms	0.014 Perms	0.008 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 m²/sec	2.2x10 ⁻¹¹ m²/sec
	Roll Sizes (Dimensions & Weight)	-	-	15' x 196' 146.3 lbs	12' x 150' 134.5 lbs

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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