

Comparison of Properties Vapor Permeable Air/Water Barriers

Performance Characteristics	Elemax™ 2600 Coating	Sika Sikagard® 530
Product Description	Elemax 2600 silicone air and water-resistive barrier (AWB) coating is a solvent free, fluid-applied, 100% silicone coating for AWB applications to coat and seal above-grade wall assemblies. Elemax 2600 silicone AWB coating provides long-term air and water protection from a variety of elements: temperature extremes, sunlight / UV radiation, rain and snow.	Sikagard 530 Liquid Applied Acrylic Vapor Permeable Air Barrier is a low VOC, single-component liquid applied, elastomeric membrane designed to provide a vapor permeable air and water barrier when applied to above-grade wall assemblies.
Composition	Silicone	Acrylic
Product Color	Black or Grey	Not specifically listed
Surface Preparation	All surfaces must be clean, dry and free of contaminants that may interfere with proper bonding of the sealants and coating.	Surfaces must be sound, clean, dry and free of frost, dirt, dust, loose concrete, grease, oil, contaminants or other foreign matter that may adversely affect the adhesion of the liquid applied vapor permeable air and water barrier membrane.
ABAA evaluated & listed?	Yes	Yes
Air Permeance ¹ (ASTM E2178)	0.00004 cfm/ft ² (0.0002 L/(s•m ²) @ 1.57psf (75 Pa)	0.0005 L/(s • m ²) @ 75 Pa [< 0.0001 cfm /ft ² @ 1.57 psf] @ 20 mils (dry)
Air Leakage of Air Barrier Assembly (ASTM E2357)	0.0002 cfm/ft ² (0.0009 L/(s•m ²) @ 1.57psf (75 Pa)	0.00082 cfm/ft ² (0.0041 L/(s•m ²) @ 1.57psf (75 Pa)
Water Vapor Permeance (ASTM E96 – Procedure A, desiccant method)	453.02 ng / Pa•s•m ² (7.92 US Perms) @ 17 mils (dry)	55.3 ng / Pa•s•m ² (0.96 US Perms) @ 22 mils (dry)
VOC (g/L)	<24 g/L	<50 g/L
Job site exposure limit	Unlimited	6 months
Job site mixing required?	No	Yes ²
Applied Thickness	19 mils wet / 17 mils dry	40 mils wet / 20 mils dry
Application Temp Range	0 – 150 °F (-18 – 66 °C)	>40 °F (>4°C)
Max. Service Range	-40 – 300 °F (-40 – 149 °C)	Not Published
Product Shelf Life	24 months	12 months
Product Storage Limits	0 – 109 °F (-18 – 43 °C)	>40 °F (>4°C)

1. The generally accepted level based on National Building Code of Canada requirements is 0.02 L/(s•m²) at 75 Pa pressure [0.004 cfm/ft²) at 1.57 psf)].
2. From Sika literature: Stir liquid membrane thoroughly prior to application.

*All information provided in this product comparison is believed to be true. Data values were researched from multiple resources including published datasheets, product marketing literature, MSDS, and third-Party or Momentive Performance Materials Lab Testing information / data.

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