

UV-resistant Water-resistive Barriers for Open Joint Cladding Systems Offer Higher Performance

See Which One is Best

Performance Criteria	Requirement	Dörken Systems Inc. DELTA®- FASSADE SA	VaproShield® RevealShield SA
Water vapor transmission (ASTM E96-05, Proc. A)		214 g/m ² /24 h	193 g/m ² /24 h
Water vapor transmission (ASTM E96-05, Proc. B)		343 g/m ² /24 h	435 g/m ² /24 h
Vapor permeance (ASTM E96-05, Proc. A)	Min 10 perms (per IBC)	30 perms [grains/h/ft ² /in Hg]	28 perms [grains/h/ft ² /in Hg]
Vapor permeance (ASTM E96-05, Proc. B)		50 perms [grains/h/ft ² /in Hg]	63 perms [grains/h/ft ² /in Hg]
Tensile strength (ASTM D5034)		MD 101 lbf XD 94 lbf	MD 119 lbf XD 96 lbf
90° Peel adhesion (AAMA 711-5.3) (ASTM D3330)		Pass	Pass
Accelerated aging (UV) (AAMA 711-5.4)		Pass	Pass
Elevated temperature (AAMA 711-5.5)		Pass (Level 3)	Pass
Thermal cycling (AAMA 711-5.6)		Pass	Pass
Adhesion after water immersion (AAMA 711-5.8)		Pass	-
Application temperature		Minimum 40 °F (5 °C)	Minimum 20 °F (-6 °C)
Maximum UV (sunlight) exposure		30 weeks	12 months
Service temperature		-40 °F to +176 °F (-40 °C to +80 °C)	-40 °F to +225°F (-40°C to +107°C)
Air permeance (ASTM E2178)	< 0.02 l/(s x m ²) @ 75 Pa	Pass	0.0001 l/(s x m ²) @ 75 Pa
Flame spread (ASTM E84-09)	<25	10	0