DELTA®

DELTA® protects property. Saves energy. Creates comfort.

COSELLA DÖRKEN

Self-adhering Air and Water-resistive Barriers Offer Higher Performance

See Which One is Best

Performance Criteria	Requirement	Cosella-Dörken DELTA®-VENT SA	Henry Blueskin VP 160	Grace Perm-A-Barrier VPS	Vaproshield Wrapshield SA	Soprema Sopraseal Stick VP
Air leakage of air barrier assemblies (ASTM E2357-11)	< 0.2 L/(s · m²) @ 75 Pa (0.04 cfm/ft² @ 1.57 lb/ft²)	Pass	Pass	Pass	Pass	Pass
Air permeance (ASTM E2178)	< 0.02 l/(s · m²) @ 75 Pa (0.004 cfm/ft² @ 1.57 lb/ft²)	Pass	Pass	Pass	Pass	Pass
Water resistance hydrostatic pressure (AATCC 127-1985)	55 cm > 5 hours	Pass	–	Pass	Pass	Pass
Vapor permeance (ASTM E96-05, Proc. A)	min. 10 perms (per IBC)	31 perms	29 perms	15 perms	–	11 perms
Vapor permeance (ASTM E96-05, Proc. B)	–	50 perms	–	15 perms	50 perms	17 perms
Flame spread (ASTM E84-09)	Class A: < 25	Class A	Class A	Class A	Class A	Class A
Smoke developed (ASTM E84-09)	Class A: < 450	Class A	Class A	Class A	Class A	Class A
90°Peel Adhesion (AAMA 711-07 §5.3)	min. 0.26 N/mm	OSB 0.30 N/mm Plywood 0.28 N/mm Densglass 0.29 N/mm	–	–	–	–
Breaking strength (ASTM D5034-95)	–	MD 71 lb/CD 65.4 lb	MD 41 lb/CD 29 lb	MD 55 lb/CD 44 lb	MD 44.8 lb/CD 25.1 lb	MD 89 lb/CD 69 lb
Elongation at break (ASTM D5034-95)	–	MD 27.8 %/CD 60.1 %	–	–	–	–
Water Penetration Resistance around Nails ASTM D1970	Pass	Pass	Pass	Pass	–	–
ICC Evaluation (AC38)	as per AC38	ICC ESR-2932	ICC ESR-2975	–	–	–
ABAA Evaluation – Self Adhered Sheet Material	as per ABAA Process for Approval of Air Barrier Materials, Accessories and Assemblies	Approved	–	–	–	Approved
ABAA Evaluation – Adhesive Backed Commercial Building Wrap	as per ABAA Process for Approval of Air Barrier Materials, Accessories and Assemblies	Approved	–	–	Approved	Approved
Self-adhering edge *	–	Yes	–	–	–	–
Manufacturing	–	In house	Manufacturing outsourced	Manufacturing outsourced	Manufacturing outsourced	Manufacturing outsourced

* Self-adhering edge assures no leakage at seams