

Mechanically Fastened Air and Water-resistive Barriers

See Which One is Best

Performance Criteria	Requirement	Dörken Systems Inc. DELTA®-VENT S	VaproShield WrapShield IT	Kingspan GreenGuard C200	DuPont Tyvek Commercial Wrap	Typar MetroWrap
Air permeance (ASTM E2178)	< 0.02 l/(s • m ²) @ 75 Pa (0.004 cfm/ft ² @ 1.57 lb/ft ²)	Pass	Pass	Pass	Pass	Pass
Water resistance hydrostatic pressure (AATCC 127-1985)	55 cm > 5 hours	Pass	Pass	Pass	Pass	Pass
Vapor permeance (ASTM E96-05, Proc. A)	min. 10 perms (per IBC)	69 perms	-	-	23 perms	10 perms
Vapor permeance (ASTM E96-05, Proc. B)	-	120 perms	66.9	-	28 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: < 150	Class A	Class A	Class A	Class A	Class A
Elongation at break (ASTM D5034-95)		MD 44.6 %/CD 74.1 %	-	-	-	-
ICC Evaluation (AC38)	as per AC38	ICC ESR-2932	-	-	ICC ESR-2375	ICC ESR-1404