

VR 10
Product Information

Where innovative ideas take hold.

VR 10 is a PSK (Polymer film/scrim/kraft) vapor retarder or facing, primarily used for metal, or pre-engineered buildings. It is a very cost effective metal building facing that has excellent installed appearance. The white film side is installed toward the interior of the building.

Please contact Technical Service for help with product and applications questions at 877-5COMPAC (1-877-526-6722).

PRODUCT STRUCTURE	DESCRIPTION	DIMENSIONS	
Finish Side Substrate	White Polymeric Film	0.0015 inch	38 micron
Adhesive	Flame Retardant	High Performance	
Machine Direction Reinforcing, Primary	Fiberglass	4 /inch	6 mm spacing
Machine Direction Reinforcing, Secondary	Polyester	1 /inch	25 mm spacing
Cross Direction Reinforcing	Fiberglass	5 /inch	5 mm spacing
Back Side Substrate	Natural Paper	12 lb./3000 sq. ft	20 g/sq.m

PHYSICAL PROPERTY	TEST METHOD	VALUE	
Permeance	ASTM E96, Procedure A	0.09 perms	5.2 ng/sq.m·s·Pa
Puncture Resistance	TAPPI T803	140 Beach units	4.2 Joules
Machine Direction Tensile Strength	ASTM D828 Modified	50 lb./inch	8.8 kN/m
Cross Direction Tensile Strength	ASTM D828 Modified	40 lb./inch	7.0 kN/m
Burst Strength	ASTM D774	75 psi	500 kPa
Mold and Mildew Resistance	ASTM C1338	no growth of organisms	
Humidity Resistance	ASTM C1248	no corrosion or delamination	
Dimensional Stability	ASTM D1204 @ 150°F (65°C)	does not exceed 0.5% change	
Low Temperature Resistance	ASTM C1263 Modified	-41°F	-41°C
High Temperature Resistance	ASTM C1263 Modified	+240°F	+115°C
Light Reflectance	ASTM C523	82 per cent	
Thickness, Nominal	Micrometer at Thickest Points	8.0 mils	200 microns
Weight Per Area	Scale/Balance	18 lb./1000 sq.ft.	88 g/sq.m

FIRE RESISTANCE PROPERTIES	TEST METHOD	VALUE	
Flame Spread*	UL 723/ASTM E84	5 film side	5 paper side
Smoke Developed*	UL 723/ASTM E84	0 film side	10 paper side
Metal Building Composite SBC**	UL 723/ASTM E84	max. 25 flame spread/50 smoke developed	

This product meets or exceeds the requirements of ASTM C1136, type III and IV

Properties and parameters are typical, subject to change without notice, and not intended as product specifications. Weights and thicknesses are nominal, with ± 10% tolerance. *Indicates Underwriter=s Laboratories classified product. **With classified adhesive and application rate. U.L. File No. R4461.

