

PRODUCT TEST RESULTS

R-Guard AirDam



PROSOCO

ASTM C 920: STANDARD SPECIFICATION FOR ELASTOMERIC JOINT SEALANTS

TEST	METHOD	CRITERIA	RESULTS
Rheological Properties	ASTM C 639	Vertical Slump at 40± 3.6° F must be ≤ 3/16" Vertical Slump at 122± 3.6° F must be ≤ 3/16" Horizontal Slump at 40± 3.6° F, no deformation Horizontal Slump at 122± 3.6° F, no deformation	Pass: 0 Pass: 0 Pass: no deformation Pass: no deformation
Extrusion Rate	ASTM C 1183 Procedure A	Report Specific Gravity Extrusion Rate ≥ 10.0 mL/min	1.4 96.9 mL/min
Application Life: Type M, Grade P Only	ASTM C 1183 Procedure A	Not applicable for Type S, Grade NS	Not applicable
Hardness	ASTM C 661	Indentation Hardness <60	Pass: 18
Effects of Heat Aging	ASTM C 1246	Percent Weight Loss ≤7% Visual Examination for presence of cracks or chalking	Pass: 0.98% Pass: no cracking or chalking
Tack-Free Time	ASTM C 679	< 72 hours	Pass: 1.7 hours
Stain and Color Change	ASTM C 510	No visible stain or color change	Pass
Adhesion and Cohesion Under Cyclic Movement	ASTM C 719	Aggregate loss in bond and cohesion ≤1½ in ²	Pass 0 on vinyl 0 on aluminum 0 on wood
Adhesion-in-Peel	ASTM C 794	Aggregate loss in bond and cohesion ≥5 lbf	Pass 10.4 lbf on vinyl 13.7 on aluminum 10.5 on wood
Adhesion-in-Peel exposed to UV through glass	ASTM C 794 ASTM C 1442	Aggregate loss in bond and cohesion ≥5 lbf	≥5 lbf
Effects of Accelerated Weathering	ASTM C 793 ASTM C 1442	Visual inspection for cracking after accelerated weathering and after cold exposure and low temperature bend ≤ Example #2 in ASTM C 793	Pass: no cracking
SEALANT, WATERPROOFING AND RESTORATION INSTITUTE'S PRODUCT VALIDATION PROGRAM			
Adhesion and Cohesion Under Cyclic Movement (±25%)	ASTM C 719	Aggregate loss in bond and cohesion ≤1½ in ²	Pass 0 on vinyl 0 on aluminum 0 on wood
OTHER (R-GUARD AIRDAM® TESTED AS PART OF AN ASSEMBLY)			
Air Leakage of Air Barrier Assemblies	ASTM E 2357	≤ 0.2 L / s·m ² at 75 Pa (≤ 0.04 cfm / ft ² at 1.57 psf)	Pass: <0.001 L / s·m ² at 75 Pa (0.0002 cfm / ft ² at 1.57 psf)

All testing was completed by independent, accredited laboratories.

