

PRODUCT TEST RESULTS

R-Guard AirDam®



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	1.5 59 mL/min
Hardness	ASTM C 661	Indentation Hardness <60	Pass: 23
Effects of Heat Aging	ASTM C 1246	Percent Weight Loss ≤7% Visual Examination for presence of cracks or chalking	Pass: 1% Pass: no cracking or chalking
Tack-Free Time	ASTM C 679	< 72 hours	Pass: 1.4 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 in²	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 23 lbf on vinyl 20 on aluminum 15 on wood
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 (±50%)	ASTM C 719	Aggregate loss in bond and cohesion ≤1½ in²	Pass 0 on vinyl 0 on aluminum 0 on wood

All testing was completed by independent, accredited laboratories.

