

# 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"<br>Vertical Slump at 122± 3.6° F must be ≤ 3/16"<br>Horizontal Slump at 40± 3.6° F, no deformation<br>Horizontal Slump at 122± 3.6° F, no deformation | Pass: 0<br>Pass: 0<br>Pass: no deformation<br>Pass: no deformation |
| Extrusion Rate                                                                | ASTM C 1183<br>Procedure A | Report Specific Gravity<br>Extrusion Rate ≥ 10.0 mL/min                                                                                                                                            | 1.5<br>59 mL/min                                                   |
| Hardness                                                                      | ASTM C 661                 | Indentation Hardness <60                                                                                                                                                                           | Pass: 23                                                           |
| Effects of Heat Aging                                                         | ASTM C 1246                | Percent Weight Loss ≤7%<br>Visual Examination for presence of cracks or chalking                                                                                                                   | Pass: 1%<br>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<br>0 on vinyl<br>0 on aluminum<br>0 on wood                   |
| Adhesion-in-Peel                                                              | ASTM C 794                 | Aggregate loss in bond and cohesion ≥5 lbf                                                                                                                                                         | Pass<br>23 lbf on vinyl<br>20 on aluminum<br>15 on wood            |
| Effects of Accelerated Weathering                                             | ASTM C 793<br>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<br>0 on vinyl<br>0 on aluminum<br>0 on wood                   |

All testing was completed by independent, accredited laboratories.

