# PRODUCT TEST RESULTS
# R-Guard Spray Wrap Rain Screen

## ICC-ES AC212[1]
### Acceptance Criteria for Water-Resistive Coatings Used as Water-Resistive Barriers Over Exterior Sheathing

| TEST | METHOD | CRITERIA | RESULTS |
|---|---|---|---|
| **Tensile Bond** | ASTM C 297 | Minimum 15 psi (105 kPa) | Pass |
| **Freeze-Thaw** | ICC-ES AC212 | No cracking, checking, crazing, erosion, delamination or other deleterious effects | Pass |
| **Water Resistance** | ASTM D 2247 | No cracking, checking, crazing, erosion, delamination, or other deleterious effects | Pass |
| **Water Vapor Transmission** | ASTM E 96<br>Wet Cup | Measure | 25 perms at 10 mils |
| **Water Penetration** | ASTM E 331 | No visible water penetration at the sheathing joints as viewed from the back of the panel | Pass |
| **Structural, Racking, Restrained Environmental Conditioning & Water Penetration** | ASTM E 1233 A<br>ASTM E 72<br>ICC-ES AC212<br>ASTM E 331 | No cracking of the coating | Pass |
| **Weathering** | ICC-ES AC212<br>AATCC[2] 127 | No cracking of the coating; no water penetration | Pass |
| **Air Permeance** | ASTM E 2178 | ≤ 0.02 L / s·m² at 75 Pa<br>(≤ 0.004 cfm / ft² at 1.57 psf) | Pass: 0.0024 L / s·m² at 75 Pa<br>(0.0005 cfm / ft² at 1.57 psf) |

## ABAA: Air Barrier Association of America Acceptance Criteria for Liquid Applied Membranes

| TEST | METHOD | CRITERIA | RESULTS |
|---|---|---|---|
| **Air Permeance** | ASTM E 2178 | ≤ 0.02 L / s·m² at 75 Pa<br>(≤ 0.004 cfm / ft² at 1.57 psf) | Pass: 0.0024 L / s·m² at 75 Pa<br>(0.0005 cfm / ft² at 1.57 psf) |
| **Air Leakage of Air Barrier Assemblies** | ASTM E 2357 | ≤ 0.2 L / s·m² at 75 Pa<br>(≤ 0.04 cfm / ft² at 1.57 psf) | Pass: 0.0028 L / s·m² at 75 Pa<br>(0.0005 cfm / ft² at 1.57 psf) |
| **Water Resistance** | AATCC[2] 127 | No water infiltration after exposure to 55 cm head of water for 5 hours | Pass |
| **Fastener Sealability** | ASTM D 1970 | No water infiltration | Pass |
| **Pull Adhesion** | ASTM D 4541 | 110 kPa (16 psi) or substrate failure | Pass |
| **ICC-ES AC212** | Entire Suite of Tests | Pass | Pass |
| **Crack Bridging** | ASTM C 1305 | Pass | Pass |
| **Water Vapor Transmission** | ASTM E 96<br>Wet Cup<br>Dry Cup | Measure | Wet Cup: 25 perms at 10 mils<br>Dry Cup: 5 perms at 10 mils |

## Fire Testing

| TEST | METHOD | CRITERIA | RESULTS |
|---|---|---|---|
| **Surface Burning Characteristics** | ASTM E 84 | Criteria for ICC and NFPA Class A Building Material:<br>Flame Spread ≤ 25<br>Smoke Developed ≤450 | Meets Class A Building Material:<br>Flame Spread: 5<br>Smoke Developed: 5 |
| **Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies** | NFPA[3] 285 | Must resist flame propagation and flame spread. | See Report No. 10261K from Priest & Associates Consulting, LLC |

All testing conducted by independent, accredited laboratories.

**NOTES:**
1: International Code Council Evaluation Service Acceptance Criteria 212
2: American Association of Textile Chemists and Colorists
3: National Fire Protection Association