

PRODUCT TEST RESULTS

R-Guard Cat 5™ Rain Screen



ICC-ES AC212¹

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 Wet Cup | Report | 14 perms |
| 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 ASTM E 72 ICC-ES AC212 ASTM E 331 | No cracking of the coating | Pass |
| Weathering | ICC-ES AC212 AATCC ² 127 | No cracking of the coating; no water penetration | Pass |
| Air Permeance | ASTM E 2178 | ≤ 0.02 L / s·m ² at 75 Pa (≤ 0.004 cfm / ft ² at 1.57 psf) | Pass: 0.0007 L / s·m ² at 75 Pa (0.000 cfm / ft ² 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·m ² at 75 Pa (≤ 0.004 cfm / ft ² at 1.57 psf) | Pass: 0.0007 L / s·m ² at 75 Pa (0.000 cfm / ft ² at 1.57 psf) |
| 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: 0.0009 L / s·m ² at 75 Pa (0.0028 cfm / ft ² at 1.57 psf) |
| Water Resistance | AATCC 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 |
| Crack Bridging | ASTM C 1305 | Pass | Pass |
| Water Vapor Transmission | ASTM E 96 Wet Cup Dry Cup | Report | Wet Cup: 14 perms Dry Cup: 10 perms |

FIRE TESTING

| TEST | METHOD | CRITERIA | RESULTS |
|---|-----------------------|--|--|
| Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies | NFPA ³ 285 | Must resist flame propagation and flame spread | See Report 10261K Rev. 6 from Priest & Associates Consulting, LLS |
| Surface Burning Characteristics | ASTM E 84 | Criteria for ICC and NFPA Class A Building Material: Flame Spread ≤ 25 Smoke Developed ≤ 450 | Meets Class A Building Material Flame Spread: 25 Smoke Developed: 10 |

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