

# ADAPTACLAD<sup>®</sup> RS

## TECHNICAL DATA SHEET

**SYSTEM:** AdaptaClad RS  
**EFFECTIVE:** October 17, 2024

**Description:** Laminators Inc. AdaptaClad RS is a weather-resistant, exterior wall covering panel system that combines a dry-seal, reveal-joint aesthetic with drained and back ventilated rainscreen performance. The panel system includes shop-fabricated Laminators Inc. Omega-Lite<sup>®</sup> FR aluminum composite material (ACM) panels, aluminum panel extrusions and clips, and accessories. The panel system can be installed over a variety of substrates and on projects requiring Continuous Insulation (CI), such as Laminators Inc. Omega CI<sup>®</sup> rigid insulation panels or other third-party CI solutions.

**Properties:**

Depth	2 in (nom)
Joint Width	9/16 in (nom)
Weight <sup>1</sup>	1.26 to 1.41 psf (+/-)
Weather Protection <small>(2018 IBC / 1402.2)</small>	Drained and Back Ventilated Rainscreen
Exterior Wall Finish <small>(2018 IBC / 1406.2)</small>	PVDF/Kynar 500 <sup>®</sup> , Polyester, or Anodized ACM
Combustible Exterior Wall Coverings <small>(2018 IBC / 1405.1.1)</small>	Types I, II, III, IV, and V Construction

**Performance:**

Perimeter Framing Deflection <small>(2018 IBC / Table 1604.3)</small>	< L/175 normal to plane of wall
Panel Deflection <small>(2018 IBC / Table 1604.3)</small>	< L/60 normal to plane of wall
System Classification <small>(AAMA 509-14)</small>	V2 / W1 Classification
<ul style="list-style-type: none"> <li>• Dynamic Water Penetration Testing <small>(AAMA 501.1-05)</small></li> </ul>	@ 6.24 psf and 12.0 psf
<ul style="list-style-type: none"> <li>• Air Leakage Testing <small>(ASTM E283-04 [12])</small></li> </ul>	0.01 cfm / ft <sup>2</sup> @ 1.57 psf
<ul style="list-style-type: none"> <li>• Static Water Penetration Testing <small>(ASTM E331-00 [16])</small></li> </ul>	@ 6.24 psf and 12.0 psf

**Go beyond the panel... and go to the next level!**

Air Leakage Testing (ASTM E283-04 [12])	< 0.01 cfm / ft <sup>2</sup> @ 1.57 psf and 6.24 psf
Uniform Load Testing (ASTM E330-14)	+/- 40.10 psf <sup>2</sup> and +/- 60.15 psf <sup>3</sup>
Permanent Deformation at 150% Pressure (ASTM E330-14)	< L/1000
Water Penetration Testing (ASTM E331-00 [16])	Pass @ 15.04 psf
Fire Performance (NFPA 285-23)	Meets Conditions of Acceptance
Thermal Movement Temperature Range	-20°F to +180°F at material surface

**Qualifications:**

Continuous Insulation <sup>4</sup> (ASHRAE 90.1)	Omega CI
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Notes:

1. Varies based on Detail Set.
2. Based on 40 psf (ASD) structural capacity details.
3. Based on 60 psf (ASD) structural capacity details.
4. Applies to NFPA 285-06 & -12 only.