

ADAPTACLAD™ RS

TECHNICAL DATA SHEET

SYSTEM: AdaptaClad RS
EFFECTIVE: April 8, 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® 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® rigid insulation panels or other third-party CI solutions.

Properties:

Depth	2 in (nom)
Joint Width	9/16 in (nom)
Weight ¹	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®, Polyester, or Anodized ACM
Combustible Exterior Wall Coverings <small>(2018 IBC / 1405.1.1)</small>	Types I, II, III, IV, and V Construction

Performance: ²

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"> • Dynamic Water Penetration Testing <small>(AAMA 501.1-05)</small> 	@ 6.24 psf and 12.0 psf
<ul style="list-style-type: none"> • Air Leakage Testing <small>(ASTM E283-04 [12])</small> 	0.01 cfm / ft ² @ 1.57 psf
<ul style="list-style-type: none"> • Static Water Penetration Testing <small>(ASTM E331-00 [16])</small> 	@ 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 ² @ 1.57 psf and 6.24 psf
Uniform Load Testing (ASTM E330-14)	+40.10 psf / -50.13 psf
Permanent Deformation at 150% Pressure (ASTM E330-14)	< L/1000 or failure
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 ³ (ASHRAE 90.1)	Omega CI
---	----------

Notes:

1. Varies based on Detail Set.
2. Testing performance is based on the 30 psf (ASD) / 50 psf (LRFD) Structural Capacity and 40 psf (ASD) / 66.7 psf (LRFD) Structural Capacity Detail Sets.
3. Applies to NFPA 285-06 & -12 only.