

ADAPTACLAD™ RS

TECHNICAL DATA SHEET

SYSTEM: AdaptaClad RS
EFFECTIVE: April 24, 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:

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 ² +60.15 psf / -60.15 psf ³
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 ⁴ (ASHRAE 90.1)	Omega CI
---	----------

Notes:

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