

ROUT & RETURN TECHNICAL DATA SHEET

SYSTEM: Rout & Return
EFFECTIVE: January 12, 2024

Description: Laminators Incorporated (Laminators Inc.) Rout & Return is a weather-resistant, exterior wall covering panel system with wet seal joints. The panel system includes shop-fabricated Laminators Inc. Omega-Lite® aluminum composite material (ACM) panels, stiffeners, and clips. 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	1-3/8 in (nom)
Weight	1.33 psf to 1.52 psf (+/-)
Weather Protection (2018 IBC / 1402.2)	Drained and Ventilated Rainscreen
Exterior Wall Finish (2018 IBC / 1406.2)	PVDF/Kynar 500®, Polyester, or Anodized MCM
Combustible Exterior Wall Coverings (2018 IBC / 1406.10, 1406.11, & 1406.12)	Types I, II, III, IV, and V Construction

Performance:

Perimeter Framing Deflection (2018 IBC / Table 1604.3)	< L/175 normal to plane of wall
Panel Deflection (2018 IBC / Table 1604.3)	< L/60 normal to plane of wall
Air Leakage Testing (ASTM E283-91)	0.05 cfm / ft ² @ 1.57 psf (over CMU) 0.11 cfm / ft ² @ 6.24 psf (over concrete)
Uniform Load Testing ¹ (ASTM E330-02)	-104.0 psf (deflection) -156.0 psf (structural)
Permanent Deformation at 150% Pressure ¹ (ASTM E330-02)	< L/1000 or failure
Water Penetration Testing ¹ (ASTM E331-00)	Pass @ 12.0 psf
Fire Performance ² (NFPA 285-06)	Meets Conditions of Acceptance

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

Thermal Movement Temperature Range	-20°F to +180°F at material surface
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Qualifications:

Continuous Insulation (ASHRAE 90.1)	Omega CI®
Florida Product Approval	FL17652-R3 (FL17652.4) / 2023 Code Version
Miami-Dade Notice of Acceptance ³	NOA #23-0911.07 (+/- 120 psf)

Notes:

1. Applies to both CMU and concrete base wall constructions.
2. Applies to gypsum & metal studs base wall construction.
3. Expires 08/20/25.