

# ROUT & RETURN TECHNICAL DATA SHEET

**SYSTEM:** Rout & Return  
**EFFECTIVE:** October 17, 2024

**Description:** Laminators Inc. Rout & Return is a weather-resistant, exterior wall covering panel system. The panel system includes shop-fabricated Laminators Inc. Omega-Lite® aluminum composite material (ACM) panels, steel stiffeners, aluminum clips, and wet seal joints. 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.

**Properties:**

|  |   |
|--|---|
| Depth  | 1-3/8 in (nom)                              |
| Weight   | 1.33 psf to 1.52 psf (+/-)                  |
| Weather Protection<br><small>(2018 IBC / 1402.2)</small>   | Drained and Ventilated Rainscreen           |
| Exterior Wall Finish<br><small>(2018 IBC / 1406.2)</small>   | PVDF/Kynar 500®, Polyester, or Anodized ACM |
| Combustible Exterior Wall Coverings<br><small>(2018 IBC / 1406.10, 1406.11, &amp; 1406.12)</small> | Types I, II, III, IV, and V Construction    |

**Performance:**

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

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

|  |                                     |
|--|-------------------------------------|
| Fire Performance <sup>2</sup><br>(NFPA 285-06) | Meets Conditions of Acceptance      |
| Thermal Movement Temperature Range             | -20°F to +180°F at material surface |

**Qualifications:**

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

Notes:

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