

# ROUT & RETURN

## Technical Data Sheet

**SYSTEM:** Rout & Return  
**EFFECTIVE:** October 21, 2019

**Description:** Rout & Return is an installation system that consists of metal composite material (MCM) panels and wet seal joints. Using fabricated panels with stiffeners and clips, the system is intended to prevent water accumulation in the wall assembly and may be coordinated with third-party sub-framing as part of continuous insulation (CI) to a building envelope.

### Properties:

Depth (standard)	1-3/8 in (nom)	
Weight	Over Gypsum Sheathing 1.52 psf (+/-)	Over Plywood 1.33 psf (+/-)
Weather Protection (IBC 1403.2)	Drained and Ventilated Rainscreen	
Exterior Wall Finish (IBC 1407.2)	PVDF/Kynar 500®, Polyester, or Anodized MCM and Silicone Caulk	

### Performance:

	Over CMU	Over Concrete
Air Leakage Testing (ASTM E283)	0.01 cfm / ft <sup>2</sup> @ 0.56 psf 0.03 cfm / ft <sup>2</sup> @ 1.57 psf 0.05 cfm / ft <sup>2</sup> @ 6.24 psf	0.03 cfm / ft <sup>2</sup> @ 0.56 psf 0.05 cfm / ft <sup>2</sup> @ 1.57 psf 0.11 cfm / ft <sup>2</sup> @ 6.24 psf
Uniform Load Testing (ASTM E330)	-104.0 psf	-104.0 psf
Water Penetration Testing (ASTM E331)	Pass @ 12.0 psf	Pass @ 12.0 psf
Perimeter Framing Deflection	< L/175 normal to plane of wall	
Panel Deflection	< L/60 normal to plane of wall	
At 150% pressure	< L/1000 permanent deformation or failure	
Thermal Movement	Temperature range of -20°F to +180°F at material surface	
Fire Performance (NFPA 285)	Meets Conditions of Acceptance	