



INNOVATIVE.
ADAPTABLE.
ENERGY EFFICIENT.

FL40

Product Data Sheet Flat Wall Panels



Our flat wall panels are produced with a standard embossed face and offer a perfect solution for designers seeking a high-end architectural look with all the thermal benefits that insulated metal panels offer.

FEATURES AND BENEFITS

- Can be installed either vertically or horizontally. The horizontal assembly incorporates a clean, simple end joint design that utilizes a unique self-aligning pre-painted aluminum extrusion.
- The panel's overlapping joint is self-aligning and allows for easy sealant application at the panel joinery.
- The standard exterior metal surface is 22ga embossed G-90 galvanized steel with standard PVDF and SMP exterior coatings (other coatings may be available).
- The standard interior metal surface is embossed 26ga Imperial White.
- The panel arrives on site in one piece and requires a simple one-step installation reducing construction time and costs.

PRODUCT PARAMETERS

Panel Thickness:		
2"	2.5"	3"
Insulating Values (R):**		
16	20	24

Standard Panel Width: 40" (36" available)

Panel Length: from 8' to 32' standard maximum

Insulation Material: CFC-free foamed-in-place polyisocyanurate foam 2.1 to 2.5 pcf density

Joint Configuration: offset tongue and groove with concealed fastener

Metal facings: 22ga (exterior) & 26ga (interior)

Coatings: PVDF & SMP (other coatings available)

Accessories: fasteners, concealed fastener clips, sealants, brake formed flashings

Available in fire 1-hour rated panel: FL40-F(4.5"R-32)

TESTED & APPROVED

Ascent Buildings, LLC's products have been extensively tested under a variety of North American standards:

FM 4880: Class 1 Fire Rating
FM 4881: Class 1 Exterior Wall System CAN/ULC S101: Fire Endurance
CAN/ULC S134: Fire Test of Exterior Wall Assemblies
ASTM C518/C1363: Thermal Transmission
ASTM E283: Air Infiltration
ASTM E331: Water Penetration
ASTM E72: Structural Strength
ASTM E84: Flame Spread
AAMA 501.1: Air/Water Infiltration

Miami-Dade County Product Control Approved

FLORIDA APPROVED



**R-Value tested in accordance with ASTM C518/C1363 at 40°F mean temperature, adjusted for a windspeed of 15 mph.

U.S.A

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