

INNOVATIVE. ADAPTABLE. ENERGY EFFICIENT.

EL40

# **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 selfaligning pre-painted aluminum extrusion.
- The panel's overlapping joint is self-aligning and allowsforeasysealantapplicationatthepaneljoinery.
- 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 asimpleonestepinstallationreducingconstruction time and costs.

#### PRODUCT PARAMETERS

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

Standard Panel Width: 40" (36" available)

PanelLength:from8'to32'standardmaximum

Insulation Material: CFC-free foamed-in-place ASTM E331: Water Penetration polyisocyanurate foam 2.1 to 2.5 pcf density ASTM E72: Structural Strength

Joint Configuration: offset tongue and groove AAMA 501.1: Air/Water Infiltration with concealed fastener

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

Coatings:PVDF&SMP(othercoatingsavailable) FLORIDA APPROVED

Accessories:fasteners,concealedfastenerclips, sealants, brake formed flashings

AvailableinfiRe1-hourratedpanel: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 E84: Flame Spread

Miami-Dade County Product Control Approved



\*\*R-Valuetestedinaccordancewith ASTM C518/C1363 at 40°F mean temperature, adjusted for a windspeed of 15 mph.

## U.S.A

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