

Prōtean™

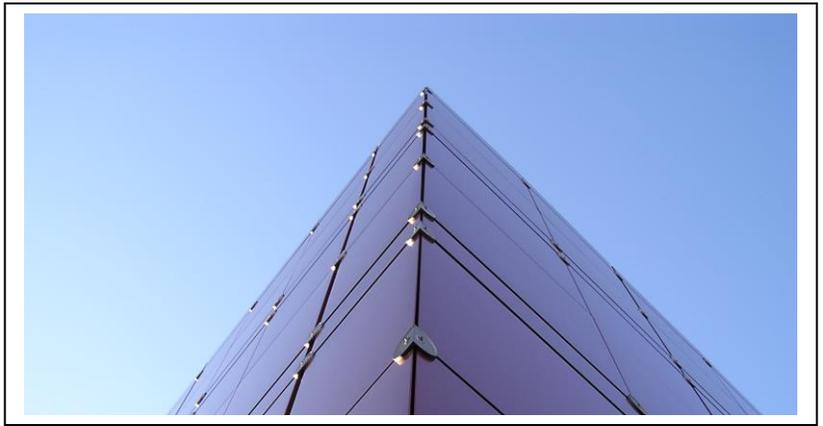
The Form of Architectural Vision

11901 Riverwood Drive
Burnsville, MN 55343

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www.protean.com

FM-200

Insulated Metal Panels (Rainscreen Style)



The FM-200 Series is a **rain screen style system** best used when high R-Value or noise deadening is required. Panels tested to R-Value = 14 (7 per inch of depth). Laminated foam panels are well suited for projects needing large panels with long, smooth expanses. The FM-200 is best when a crisp aesthetic with no caulk lines and insulation qualities are desired.

Materials of Construction

Face: 0.040" Aluminum (Coil Coated)

Liner: 0.040" Aluminum (Primer Coat)

Core: 2.00" Polyisocyanurate

Options:

22Ga Galvanized Steel, 20 Ga Stainless Steel, EPS Core

Face/liner thicknesses to 0.040" – 0.090", Core thickness 1" to 6"

Coatings and Colors

Standard: 2-coat Kynar 500 Finish

Options: Anodized (not recommended), brushed stainless, Mica, metallic, 3-coat, non-directional embossed, exotic colors.

Panel Sizes

Maximum Panel Width: 54" (based upon 2" core)

Optimal Widths: 18", 24", 42" and 54" (for lowest cost)

Maximum Length: 16'

Optimal Length: <16'

System Depth: 2.0" (Standard)

Markets

Civic Buildings, Educational Buildings, Government Buildings

Warranty: 1 Year Workmanship and 10-year finish

Installation

Utilizing standard installation details, FM-200 series panels are sequentially installed to the structure with mechanical fasteners with an easy tongue and groove alignment. We recommend use of hat girts and self-tapping screws; however, our panels can be fastened to flat strap furring or direct to 5/8" or heavier plywood.

Panels Design Configurations

Rectangular or Square Flat Panels

Geometrically Shaped Panels

Bent Panels – Corner Panels, Copings

Multiple Bends – Fascia Panels

Curved or Radius Panels **-limited**

Joints-Rainscreen Type Principal

½" Dry Joint, Vertical & Horizontal

Panel Weights (Approximate 2")

1.233 #/SF (Standard 0.040 Aluminum)

2.653 #/SF (22Ga Galvanized)

3.17 #/SF (20 Ga Stainless Steel)

Testing Information Available

Air Infiltration: ASTM E-283-91 (99)

Structural: ASTM E-330-97 el

Water Penetration: ASTM E-331-00

Thermal: ASTM C1363 (2" = R-14)

Weathering: ASTM D-2247

Surface Burning Characteristics: ASTM E-84-