

Protean

Construction Products, Inc.

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FM-220 Series Insulated Foam Core Gasket Metal Wall Panel

Protean's FM-220 Series Insulated Core Metal Wall Panel System is laminated in our unique dead flat platen laminating process. This process creates the superior flatness of the laminated insulated foam panels and allows for smooth non-textured panel surfaces or embossed surfaces.

Standard panel thickness of 2", wall panels are also available from 1" up to a thickness of 6".

Panel System is a combination of our "rainscreen" principle panel system and gasket at the vertical joints of the panel, with variable panel widths are available up to 54 3/4" available in as many different sizes as the project requires.

Face and Liner FM-220 Panels Systems

- Aluminum .040 thick - Options, please contact PCP
- Galvanized Steel 22 Ga.- Options, please contact PCP
- Stainless Steel 22 Ga. - Options, please contact PCP

Coatings and Colors

- Kynar 500 finishes, as selected
- Anodized finishes as selected
- Stainless Steel as selected
- Smooth
- Non-Directional Embossed

Cores

- Polyisocyanurate core
(2" Panel Tested Per ASTM C1363 R-14)
- EPS Expanded Polystyrene core (per inch R-4)

Panels Size limitations

- Max. panel lengths 24'-0"
- Max. panel width 54 3/4" based on 2" panel (varies with panel thickness) Sequential Installation

Testing Information Available

Performance Testing - Panel Assembly

- A. Structural - ASTM E 330-97 e1
- B. Water Penetration - ASTM E 331-00
- C. Air Infiltration - ASTM E 283-91 (99)
- D. Weathering - ASTM D-2247
- E. Thermal - ASTM C 1363-2011
- F. Surface Burning Characteristics - ASTM E 84-06

Panels Design Configurations

- Square or Rectangular Flat Panels
- Geometric Shaped Panels
- Bent Panels - Corner panels, Coping Panels
- Multiple Bend - Fascia Panels
- Curved or Radius Panels

Joints Rainscreen Type Principle

- Standard Vertical Joint 1/2" Dry Joints
w/foam gaskets vertical 1/2" joints
- Standard Horizontal Joint 1/2" Dry Joints

Panel Weights (Approx.)

- .040 Alum/Polyiso/.040. 1" Panel 1.233#/SF
- 22 ga. Galv./Polyiso/22 ga. 1" Panel 2.653#/SF
- .040 Alum/EPS/.040 1" Panel 1.158#/SF
- 22 ga. Galv./EPS/22 ga. 1" Panel 2.578#/SF