

Prōtean™

The Form of Architectural Vision

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AP-2500RS

Metal Plate Rainscreen Panels



The AP-2500RS Series is formed plate, **back-ventilated rainscreen** panel system, which provides a smooth joint with caulk free edges. AP panel systems are best used applications that go down to grade, or as accents with low volume custom colors. The AP-2500RS is our most easily installed plate system, due to an integrated drainage channel. Minimal service requirements result in economical cost over the service life of your project.

Materials of Construction

Standard: 0.125" Aluminum (3003/3105 alloy)
Options: 0.080" & 0.090"
5005 alloy (for anodized), 0.080" & 0.125"
16 Ga Stainless Steel
Perforated Metal

Coatings and Colors

Standard: Kynar 500 Finish (unlimited palette)
Options: Mica, Anodized, 2B, #4 or #8 Stainless

Panel Sizes

Maximum Panel Width: 53"
Optimal Widths: 17", 23", 41", 53" (for lowest cost)
Maximum Length: 15' (180")
Optimal Lengths: 46", 94", 142", 180"

System Depth: 1.5"

Markets

Civic Buildings
Educational Complexes
Government Buildings

Warranty: 1 Year Workmanship and 10 year Kynar finish, 5 year anodized finish

Installation

Utilizing standard installation details, AP-2500RS series panels are sequentially installed to the structure with mechanical fasteners as a rainscreen system. Panel system utilizes an integrated drainage channel for ease of installation. 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. Panel system must be backed by and requires proper Air/Water barrier to be designed and installed as with any rainscreen panel system.

Panels Design Configurations

Rectangular or Square Flat Panels
Geometrically Shaped Panels
Bent Panels – Corner Panels, Copings
Multiple Bends – Fascia Panels
Multiple Systems Depths (Shadow)

Joints

1/2" Dry Joint, Vertical & Horizontal

Panel Weights (Approximate)

1.875 #/SF (0.125")
1.35 #/SF (0.080")
2.65 #/SF (16 Ga SS)

Testing Information Available

Air Infiltration: ASTM E-283
Structural: ASTM E -330
Water Penetration: ASTM E-331
Impact: ASTM E1886, E1996, TAS 201 (pending)
Static Air: TAS 202 (pending)
Cyclic Wind: TAS 203 (pending)