

# Prōtean™

*The Form of Architectural Vision*

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## HC-200

### Honeycomb Metal Panels (Rainscreen Style)



The HC-200 Series is a **rain screen style system** best used when dead flat surfaces are desired. Honeycomb core panels are well suited for projects needing large panels with long, smooth expanses. The rain screen style construction creates a crisp aesthetic with no caulk lines.

#### Materials of Construction

Face: 0.040" Aluminum (Coil Coated)

Liner: 0.040" Aluminum (Primer Coat)

Core: 1.00" AL Honeycomb

Options:

22Ga Galvanized Steel, 20 Ga Stainless Steel

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

Core: Kraft Paper

#### 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: 57" (based upon 1" core)

Optimal Widths: 20", 26", 44" and 56" (for lowest cost)

Maximum Length: 16'

Optimal Length: <16'

**System Depth:** 1.0" (Standard)

#### Markets

Civic Buildings, Educational Buildings, Government Buildings

**Warranty:** 1 Year Workmanship and 10 year finish

#### Installation

Utilizing standard installation details, HC-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

#### Joints-Rainscreen Type Principal

½" Dry Joint, Vertical & Horizontal

#### Panel Weights (Approximate)

1.264 #/SF (Standard 0.040 Aluminum)

2.934 #/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 e1

Water Penetration: ASTM E-331-00

Weathering: ASTM D-2247

Surface Burning Characteristics: ASTM E-84-05