

Prōtean™

The Form of Architectural Vision

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HC-100

Honeycomb Metal Panels (HMPs)



The HC-100 Series is a **barrier 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 HC-100 system is our most economical option when long service life is desired.

Materials of Construction

Face: 0.040" Aluminum (Coil Coated)

Liner: 0.040" Aluminum (Primer Coat)

Core: 0.92" AL Honeycomb

Options:

22Ga Galvanized Steel, 20 Ga Stainless Steel,

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: 57" (based upon 0.92" core)

Optimal Widths: 21", 27", 45" and 57" (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-100 series panels are sequentially installed to the structure with mechanical fasteners and formed attachment legs. The minimum joint of ½" is sealed with backer rod and sealant compatible with the finish. 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

½" Caulk Joint, Vertical & Horizontal

Panel Weights (Approximate)

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

Structural: ASTM E-330

Water Penetration: ASTM E-331

Weathering: ASTM D-2447