



**Flexibility for your Legacy**

## 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  
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 1/2" 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

1/2" Dry 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-2247