

## Webb Core Epoxy Polar White Aluminum Panels

The most economical and widely used panels, these panels are constructed using .032 aluminum along with 3/4 inch cell honeycomb core provides a sandwich structure with both surface smoothness and a strength enabling spans of 12'-0". This rigid structure utilizes any batten type panel retainer framing system with vertical studs 4'-0" o.c. (see Figure 1)

### Panel Dimensions and Weight

Weight: 1.1 lbs./sq. ft.  
Length: 96, 108, 144 inches  
Width: 48 inches +/- .008"  
Thickness: .25 inches thru 3 inches +/- .008"

### Contamination Control

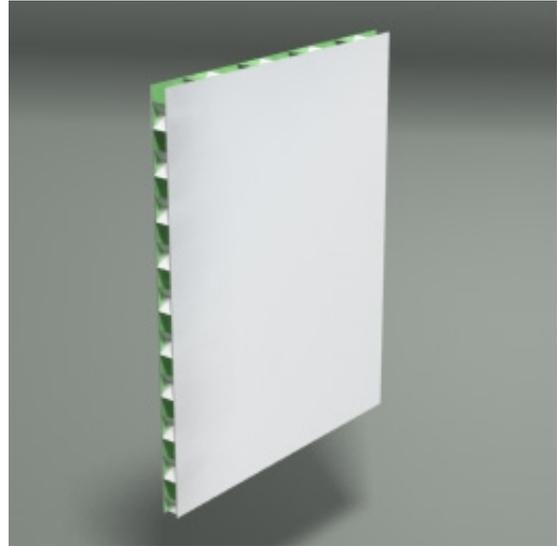
The HG Epoxy provides a high luster, low particle attraction and good cleanability

### Performance Tests

**Climbing Drum Peel:** 12 in. lb./3 in.  
Mil-STD-401

**Flatwise Tensile:** 300 psi  
Surface Resistivity:  $10^{7-9}$  ohms/sq.  
ASTM D257  
**Climbing Drum Peel:** 12 in. lb./3 in.  
Mil-STD-401  
**Flatwise Tensile:** 300 PSI  
Mil-STD-401  
**Outgassing: \***  $\leq 15$ ppm/mg

\*See attached outgassing analysis in the Misc. section of this binder



### HG Polar White Epoxy Specification

**Dry film thickness:** One coat 0.75-0.85 mil pretreated aluminum. Hi gloss:60 deg. 80% min.

**Pencil Hardness:** Eagle Turquoise 2H

**T-Bend:** 2T = No Pinch Off  
.060"-0.080" heavier gage/harder may go to 4T-NPO

**Adhesion:** 1/16" Dry Crosshatch = No Tape Off

**Rev Impact:** 1-1/2" times metal thickness = No pinch off

**Acid Resistance:** ASTM D968, 30 liters falling sand

**Taber Abrasion:** Model 503, Teledyne Taber, SS-10 wheels  
450 Cycles to substrate, 54 mg loss @ 450 cycles or .12 mg per cycle.

**Detergent Resistance:** 3%, 100 hours @ 100 deg. F - Pass

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