

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

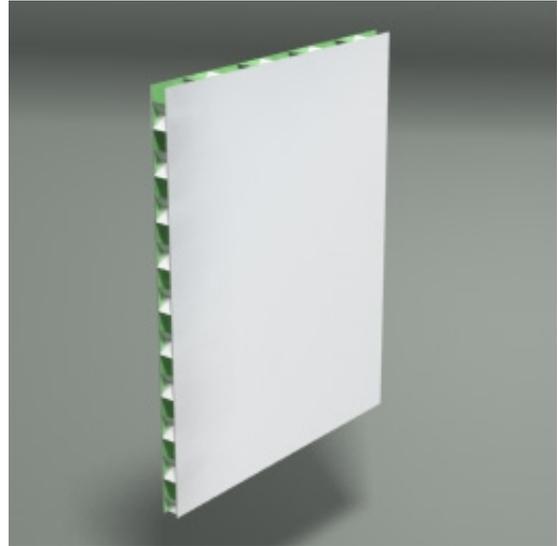
The HG Epoxy provides a high luster, low particle attraction and good cleanability

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: * ≤ 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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