

# Alumalite™



**Corrugated plastic core,  
double-sided aluminum for  
stability and strength**



## Benefits

- Alumalite is ideal for paints, digital inks (both UV or solvent cured), screen print inks and pressure sensitive vinyl.
- Strong and lightweight, Alumalite is the same weight as .040 aluminum sheet metal, tipping the scales at just 25 lbs. for a 4' x 8' sheet. Alumalite is over 50 times stronger than .040 sheet aluminum.
- Alumalite routs and cuts easily using standard carpentry tools. You can even bend it around a corner! (Detailed instructions on page 25.)
- Wind resistant. When properly fastened between two posts, Alumalite can withstand winds over 120 mph.
- Weather resistant, Alumalite is water, sun and temperature resistant, with a "Class A" flame spread rating. The surface finish is formulated to resist outdoor dirt and is practically "self-cleaning."
- The water resistant plastic core does not require edge sealing; however, vinyl Edge Cap is available in a variety of colors to add a decorative and professional finish (See pages 28-29).

## Construction

- Alumalite is a strong, aluminum composite panel with a high density, corrugated polyallomer (CPA) core that will not swell, corrode, rot, wick water, or delaminate even under prolonged water exposure.
- Factory-baked, polyester painted aluminum faces add high gloss brilliance and rigidity. Warranted not to crack, chip, flake or peel. Colorfast 10-year limited warranty.
- Field tested through extensive freeze/thaw cycling tests with no significant structural panel failure.

- Finished edges can be achieved with color-matched Edge Cap and approved sealant.
- Surface is protected during shipping with a protective, plastic, peel-off masking.

## Recommended applications

Recommended for all indoor and outdoor sign graphic display applications including wall and fence mounted signs, billboards/multiple panel signs, post and panel, back-lit signs, cut-outs, channel letters, scoreboards, point of purchase (POP) displays, highway signage, kiosks, laser printing, silk-screening, digital printing and more. Refer to the applications section of the product chart on pages 12 and 13 for more details.

## Color selection

Available in 12 colors: White, Silver Metallic, Ivy Green, Sunset Red, Brite Yellow, Regal Bronze, Sand Beige, Ivory, Royal Blue, Raven Black, Matte Black, and Candy Apple Red. (See page 35 for color chart and paint choices.)

## Rout and bend for seamless corners and returns

Using a 90° routing bit, simply remove the surface and core in a “V” shape. Be sure to remove all of the core, down to the back side of the bottom aluminum face.

The panels can be bent by hand, or with a “field brake” consisting of 2 lengths of aluminum angle and 2 vice grips. Bend the panel along the groove to create a 90° return. This can be useful in corner applications or to fasten panels together for larger applications. (See page 25 for detailed instructions.)

## Specifications

Sizes Available	Finished Faces	Colors	Sheet Weight
48" x 96" (6 mm)	Good 2 sides	All 12 colors	25 lbs.
48" x 120" (6 mm)	Good 2 sides	White*	31 lbs.
60" x 96" (6 mm)	Good 2 sides	White only	31 lbs.
60" x 120" (6 mm)	Good 2 sides	White only	38 lbs.
48" x 96" (10 mm)	Good 2 sides	White*	36 lbs.
48" x 120" (10 mm)	Good 2 sides	White*	45 lbs.
60" x 120" (10 mm)	Good 2 sides	White only	57 lbs.

\*Colors available by special order, minimum 10 panels per color.  
Custom lengths up to 12 feet.



Length and width tolerances:  $\pm 1/2"$

Square tolerance: **Diagonals within 1/8"**

Wind load: **6 mm 120+ mph, 10 mm 140+ mph, when properly supported on four edges**

Bond test: **ASTM C481-A (Cyclic aging), PASS**

Fire test: **ASTM E84 "Class A" Flame Spread**

UL File number: **E60612**