

HP

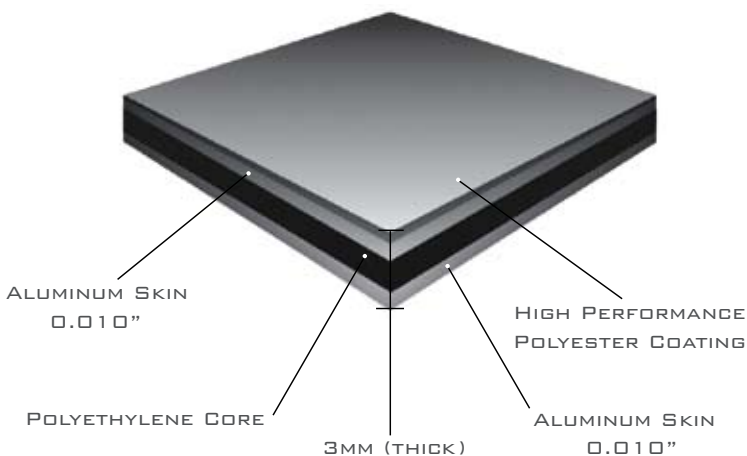


## PROJECT: Various Oil Companies

- ARCHITECT: VARIOUS
- FABRICATOR: VARIOUS
- APPLICATION: FASCIA, SIGNAGE, INTERIOR STORE DISPLAYS
- HIGH POLYESTER FINISH OFFERING SUPERIOR FLATNESS, CONSISTENCY OF FINISH, DURABILITY & EASE OF FABRICATION

GRAPHICAL™ HP

GRAPHIC-AL™ HP IS A FLAT AND RIGID ALUMINUM COMPOSITE MATERIAL (ACM) COATED WITH A HIGH PERFORMANCE POLYESTER PAINT. COMBINED WITH THIS HIGH PERFORMANCE POLYESTER COATING, GRAPHIC-AL™ HP IS AN IDEAL ACM FOR OUTDOOR CANOPIES AND FASCIA SIGNS FOR CORPORATE IDENTITY APPLICATIONS AND RETAIL SHOPS. GRAPHIC-AL™ HP HAS A SPECIAL 10-YEAR FINISH WARRANTY.



## BENEFITS

- **HIGH PERFORMANCE POLYESTER COATING:** GRAPHIC-AL™ HP HAS A CONSISTENT PAINT FINISH OF HIGH PERFORMANCE POLYESTER COATING WITH A SPECIAL 10-YEAR FINISH WARRANTY.
- **EXCELLENT FLATNESS:** BECAUSE OF ITS CONTINUOUS LAMINATING PROCESS, GRAPHIC-AL™ HP IS A FLAT PANEL WITHOUT BUCKLES, EDGE WAVES AND OVERALL WARPING.
- **HIGH RIGIDITY AND LIGHTWEIGHT:** GRAPHIC-AL™ HP OFFERS HIGH RIGIDITY ABLE TO WITHSTAND OUTDOOR WIND LOAD CONDITIONS IN A LIGHTWEIGHT MATERIAL. IT IS EQUIVALENT TO 2.2MM THICK ALUMINUM AND ONLY WEIGHS 0.76PSF.
- **WORKABILITY:** GRAPHIC-AL™ HP IS EASY TO CUT, GROOVE, BEND AND ASSEMBLE WITH REGULAR MACHINES AND TOOLS WIDELY USED IN THE SIGN INDUSTRY.

## MATERIAL COMPOSITION

GRAPHIC-AL™ HP IS COMPOSED OF TWO SKINS OF 0.010" THICK ALUMINUM AND A POLYETHYLENE CORE. THE TOPSIDE IS A HIGH PERFORMANCE POLYESTER COATING PRODUCED IN A COIL COATING LINE AND IS COVERED WITH A TRANSPARENT PROTECTIVE FILM.

## PANEL DIMENSION

THICKNESS: 3MM

SIZE: 51"x122"

**NOTE:** CUSTOM SIZES ARE AVAILABLE UPON REQUEST. PLEASE CHECK WITH CUSTOMER SERVICE FOR AVAILABILITY. COLORS MIGHT CHANGE WITHOUT NOTICE DEPENDING ON PROGRAM.

## PRODUCT TOLERANCE

WIDTH: ± 0.08" (2MM)

LENGTH: ± 0.16" (4MM)

THICKNESS: ± 0.008" (0.2MM)

BOW: MAXIMUM 0.5% OF LENGTH AND/OR WIDTH

SQUARENESS: MAXIMUM 0.2" (5MM)

## CHARACTERISTICS

### PROPERTIES

THE PANEL WEIGHT IS ALMOST EQUIVALENT TO 1.4MM THICK ALUMINUM SHEET. THE THERMAL EXPANSION IS ALMOST EQUIVALENT TO AN ALUMINUM SHEET.

UNIT	THICKNESS MM	PANEL WEIGHT PSF	THERMAL EXPANSION X10 <sup>-6</sup> IN/IN/°F
GRAPHIC-AL™ HP	3MM	0.76	13
ALUMINUM SHEET	1.4MM	0.77	13

**NOTE:** THERMAL EXPANSION RATE 13X10<sup>-6</sup>IN/IN/°F MEANS THAT THE ELONGATION/CONTRACTION IS 0.06" PER 48" PER 100°F.

### RIGIDITY (BENDING STRENGTH)

GRAPHIC-AL™ HP 3MM IS EQUIVALENT TO 2.2MM THICK ALUMINUM IN RIGIDITY.

	THICKNESS	PANEL WEIGHT	WEIGHT RATIO
GRAPHIC-AL™ HP	3MM	0.76PSF	1.0
ALUMINUM SHEET OF THE SAME RIGIDITY	2.2MM	1.22PSF	1.6

**NOTE (HOW TO READ THE ABOVE TABLE):** GRAPHIC-AL™ HP 3MM IS EQUIVALENT TO 2.2MM THICK ALUMINUM SHEET IN RIGIDITY. THIS ALUMINUM SHEET WEIGHS 1.6 TIMES GRAPHIC-AL™ HP.

### FLAMMABILITY CHARACTERISTICS

GRAPHIC-AL™ HP MEETS THE FOLLOWING STANDARDS: UL 94 V-0 AND UL 879 APPROVED, AS AN ELECTRIC SIGN COMPONENT CLASS 1 OR CLASS A FIRE RATED, AS A BUILDING MATERIAL.

FOR MORE INFORMATION CALL  
1.800.422.7270

LITAP6001 REV. 3

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