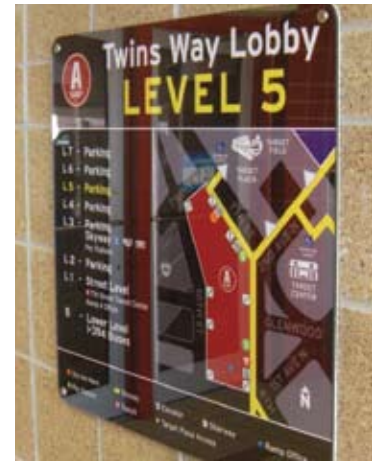


DP

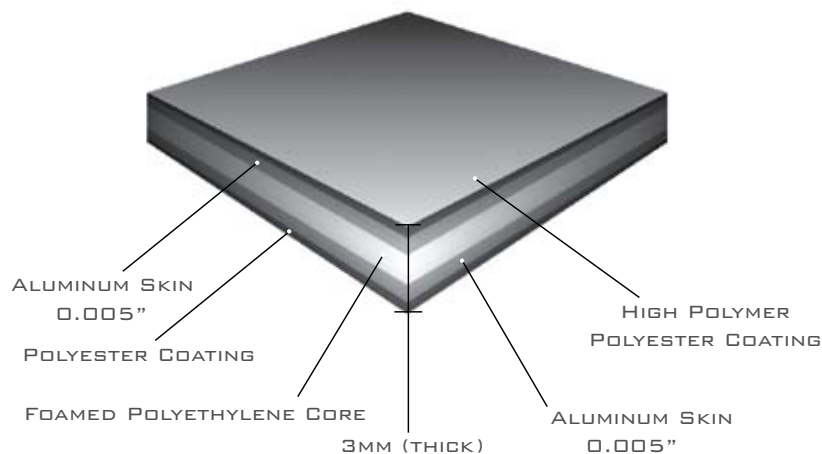


## PROJECT: Twins Stadium, MN

- ARCHITECT: CITY OF MINNEAPOLIS
- FABRICATOR: ARCHETYPE, MN
- APPLICATION: OVER 200 SHEETS OF 8x4 WERE USED FOR PARKING RAMP IDENTIFIERS & DIRECTIONAL SIGNAGE
- 2 & 4 COLOR PRINTING USING VUTEK QS 2000
- CHOSEN FOR EXCELLENT ADHESION, EASE OF FABRICATION & CONSISTENCY OF SURFACE

DP  
GRAPHICAL

GRAPHIC-AL™ DP OFFERS THE SAME IMPRESSIVE QUALITIES AS GRAPHIC-AL™ OR, BUT DELIVERS THE ADDED BENEFIT OF A SUBSTRATE SUITABLE FOR FLATBED PRINTERS AND UV CURABLE INK. YOU'LL GET OUT-OF-THE-WORLD RESULTS WITH GRAPHIC-AL™ DP.



## BENEFITS

- **DIRECT PRINTING WITH UV INK:** THE INK ADHESION IS STABLE AND PERFECT.
- **SUPER LIGHTWEIGHT:** GRAPHIC-AL™ DP 3MM THICK IS ONLY 0.51PSF.
- **HIGH RIGIDITY:** GRAPHIC-AL™ DP 3MM IS EQUIVALENT TO 1.8MM THICK ALUMINUM AND 5.0MM THICK ACRYLIC SHEETS IN RIGIDITY. AND ITS WEIGHT IS ONLY 60% AND 50% RESPECTIVELY.
- **EXCELLENT FLATNESS AND SMOOTHNESS:** GRAPHIC-AL™ DP HAS AN EXCELLENT FLATNESS DERIVED FROM THE CONTINUOUS LAMINATING PROCESS AND AN EXCELLENT SMOOTHNESS FROM THE COIL COATING PROCESS.

## MATERIAL COMPOSITION

GRAPHIC-AL DP™ IS COMPOSED OF TWO SKINS OF 0.005" THICK ALUMINUM AND A FOAMED POLYETHYLENE CORE. THE TOPSIDE IS A PAINT COATING WITH HIGH POLYMER POLYESTER, AND COVERED WITH A TRANSPARENT PROTECTIVE FILM.

## PANEL DIMENSION

THICKNESS: 3MM

SIZE: 48"x96"

NOTE: CUSTOM SIZES ARE AVAILABLE UPON REQUEST.

## 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)

ALL GRAPHIC-AL™ DP IS SUPPLIED WITH CUT EDGES.

THERE IS NEITHER DISPLACEMENT OF THE ALUMINUM

SHEET NOR PROTRUSION OF THE CORE.

## CHARACTERISTICS

### PROPERTIES

THE PANEL WEIGHT IS ALMOST EQUIVALENT TO 1.0MM THICK ALUMINUM AND 2MM THICK ACRYLIC SHEETS.

THE THERMAL EXPANSION IS ALMOST EQUIVALENT TO ALUMINUM AND NEARLY ONE THIRD ACRYLIC SHEETS.

	THICKNESS	PANEL WEIGHT	THERMAL EXPANSION
UNIT	MM	PSF	X10 <sup>-6</sup> IN/IN/°F
GRAPHIC-AL™ DP	3MM	0.51	13
ALUMINUM SHEET	1.0MM	0.55	13
ACRYLIC SHEET	2MM	0.49	28-50

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™ DP 3MM IS EQUIVALENT TO 1.8MM THICK ALUMINUM AND 5.0MM THICK ACRYLIC SHEETS IN RIGIDITY.

	THICKNESS OF EQUIVALENT RIGIDITY	PANEL WEIGHT KG/M <sup>2</sup>	WEIGHT RATIO
GRAPHIC-AL™ DP	3MM	0.51	1
ALUMINUM SHEET	1.8MM	0.98	1.9
ACRYLIC SHEET	5.0MM	1.23	2.4

NOTE (HOW TO READ THE ABOVE TABLE): GRAPHIC-AL™ DP 3MM IS EQUIVALENT TO 1.8MM THICK ALUMINUM SHEET IN RIGIDITY. THIS ALUMINUM SHEET WEIGHS 1.9 TIMES GRAPHIC-AL™ DP.

FOR MORE INFORMATION CALL  
1.800.422.7270

LITAP6003 Rev. 3

401 VOLVO PARKWAY CHESAPEAKE, VA 23320

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