

OR



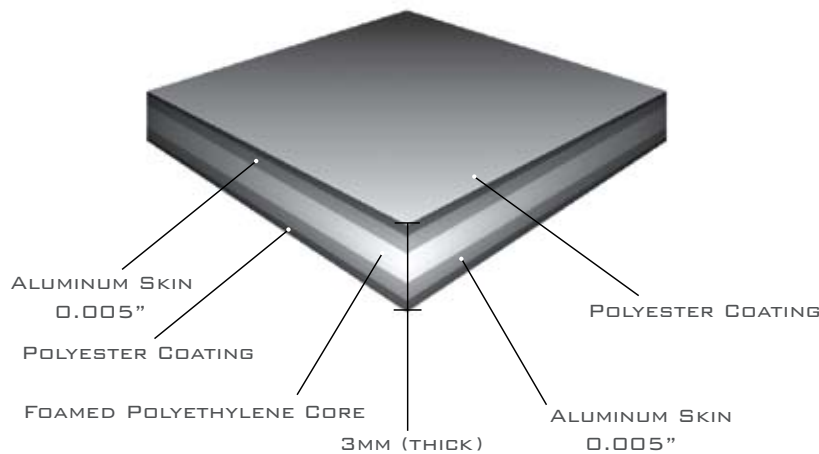
PROJECT: Wink Salon, VA

- ARCHITECT: KATE THATCHER DESIGN, NYC
- FABRICATOR: VANMARK, INC., VA
- APPLICATION: LARGE INTERIOR VINYL GRAPHICS APPLIED TO GRAPHIC-AL™ OR AND ATTACHED TO THE WALL WITH ALUMINUM STANDOFFS
- PRINTED ON 3M ADHESIVE DECAL MATERIAL USING ROLAND 540 PRINTER - OVERLAMINATED WITH A LUSTER FINISH



OR
GRAPHIC-AL™

GRAPHIC-AL™ OR HAS THE RIGIDITY OF AN ALUMINUM COMPOSITE MATERIAL, IN A SUPER LIGHT WEIGHT WITH THINNER ALUMINUM SKINS (0.005") AND A FOAMED PLASTIC CORE. IT OFFERS EXCELLENT FLATNESS AND SUPERIOR SMOOTHNESS. EASILY CUT WITH A SAW, SUBSTRATE CUTTER OR ROUTER, THIS UNIQUE MATERIAL DELIVERS STELLAR PERFORMANCE OVER A WIDE RANGE OF APPLICATIONS.



BENEFITS

- **SUPER LIGHTWEIGHT:** GRAPHIC-AL™ OR 3MM THICK IS ONLY 0.51PSF DUE TO THE THINNER ALUMINUM SKIN (0.005" THICK) AND A FOAMED PLASTIC CORE.
- **HIGH RIGIDITY:** GRAPHIC-AL™ OR 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™ OR HAS AN EXCELLENT FLATNESS DERIVED FROM THE CONTINUOUS LAMINATING PROCESS AND AN EXCELLENT SMOOTHNESS FROM THE COIL COATING PROCESS.

MATERIAL COMPOSITION

GRAPHIC-AL™ OR IS COMPOSED OF TWO SKINS OF 0.005" THICK ALUMINUM AND A FOAMED POLYETHYLENE CORE. BOTH TOP AND BACK SURFACES ARE POLYESTER COATINGS PRODUCED IN OUR CONTINUOUS COIL COATING LINE. BOTH SIDES ARE COVERED WITH TRANSPARENT PROTECTIVE FILMS.

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™ OR 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.

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

NOTE: THERMAL EXPANSION RATE 13 X 10⁻⁶IN/IN/°F MEANS THAT THE ELONGATION/CONTRACTION IS 0.06" PER 48" PER 100°F.

RIGIDITY (BENDING STRENGTH)

GRAPHIC-AL™ OR 3MM IS EQUIVALENT TO 1.8MM THICK ALUMINUM AND 5.0MM THICK ACRYLIC SHEETS IN RIGIDITY.

	THICKNESS OF EQUIVALENT RIGIDITY	PANEL WEIGHT KG/M ²	WEIGHT RATIO
GRAPHIC-AL™ OR	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™ OR 3MM IS EQUIVALENT TO 1.8MM THICK ALUMINUM SHEET IN RIGIDITY. THIS ALUMINUM SHEET WEIGHS 1.9 TIMES GRAPHIC-AL™ OR.

FOR MORE INFORMATION CALL
1.800.422.7270

LITAP6002 Rev. 3

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