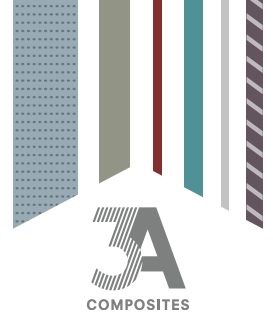


HYLITE®



The world's thinnest Aluminum Composite Material (ACM)

WHAT IS IT?

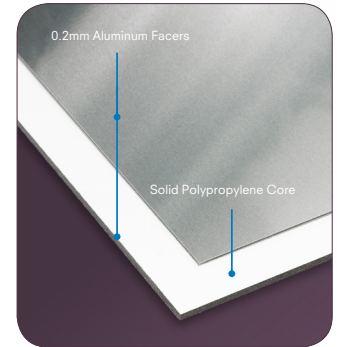
- HYLITE® is an aluminum composite panel comprised of 0.2mm aluminum skins and a solid polypropylene core.
- At thicknesses of 1.2mm and 2mm, it's the world's thinnest composite panel and, even when used on large surface areas, provides excellent dimensional stability plus weight reduction.

WHY CHOOSE HYLITE?

- Offers optimum results in direct digital printing and minimal weight
- Good dimensional stability at temperatures up to 302°F
- Wide range of surface finishes can be achieved through powder coating
- Has properties similar to aluminum and can be processed using the same equipment
- Can be three-dimensionally formed
- Can be embossed and engraved (with ultimate elongation taken into consideration)
- Excellent recyclability - aluminum and plastic components can easily be separated

SPECIAL FEATURE:

- The "Hinge Effect" - option of using the core as a hinge
(tested by the German technical inspection organization RWTÜV)
 - » Achieved by milling grooves at same position on both sides of panel
 - » RWTÜV testing has proven hinge application is unimpaired, even after 80,000 bends!
 - » Good for ring binders, laptop holders, special boxes, etc.



APPLICATIONS

- Signage & Displays
- Interior Accents & Design
- POP Displays
- Decorative Lighting
- Exhibition Design
- Creative Work
- Sophisticated Packaging

ADDITIONAL APPLICATIONS

Office Supply

- Office Article Design
- Top Quality CD Sleeves
- Files and Book Backs
- Cabinetry & Cupboards
- Machine/Equipment Protectors
- Menus

Furniture Construction

- Notebook Stands
- Light Boxes
- Loudspeaker Casings
- Furniture Design



PRODUCT AVAILABILITY

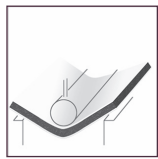
	Gauges	Facers	Sizes
HYLITE	1.2mm (.047") 2.0mm (.078")	Natural Aluminum	1540mm x 3000mm (60.62" x 118.11")

The world's thinnest Aluminum Composite Material (ACM)

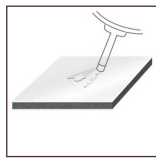
TECHNICAL DATA

Panel Thickness	1.2mm (.047")	2.0mm (.078")
Surface	Mill Finish (Natural Aluminum)	
Panel Weight	1.8kg/m ²	2.5kg/m ²
Modulus of Elasticity	70,000 N/mm ²	
Flexural Rigidity	80 kNcm ² /m	230 kNcm ² /m
Yield Strength	≥ 320 N/mm ²	
Tensile Strength	≥ 380 N/mm ²	
Acoustic Properties	Noise suppression composite panel	
Service Temperature	Range: -22°F to 248°F; Max (up to 30min): 302°F	
Powder or Dip Coating	Possible	
Ultimate Elongation	4%	

PROCESSING & SURFACE TREATMENT OPTIONS



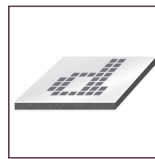
Bending



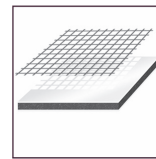
Embossing



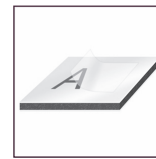
Hinge Effect



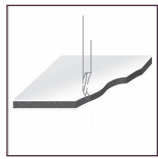
Digital Printing



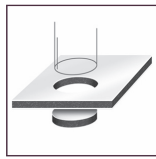
Screen Printing



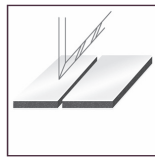
Laminating



Routing



Punching



Cutting

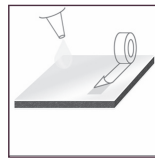
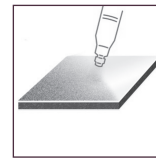
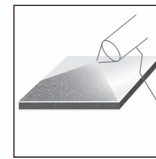


Photo Mounting



Powder Coating



Lacquering