FOME-COR°
STRUCTA-BOARD°
SINTRA°
GATOR°
DIBOND°







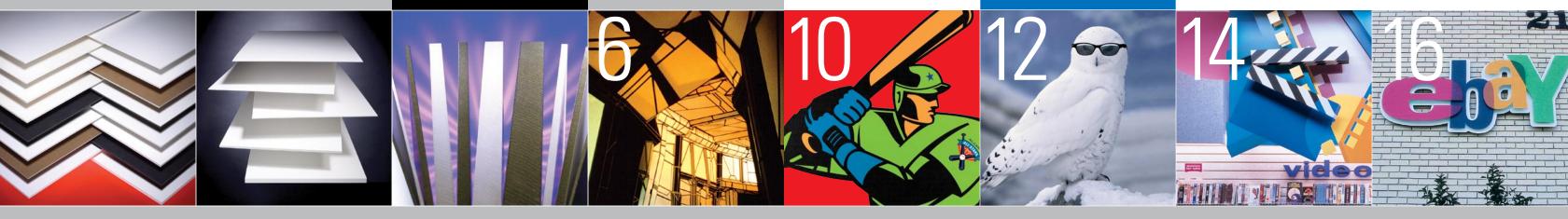




IT'S WHAT LEGENDS
ARE MADE OF

REATE YOUR OWN

CONTENTS



CHOOSING YOUR GRAPHIC DISPLAY BOARD IS EASIER THAN EVER.

Alcan Composites offers a legendary array of brands to the graphic display market. Products range from paper-faced foam boards to expanded plastic boards, aluminum composites and polystyrene foam boards with wood-fiber veneers. All brands offer unique competitive advantages and outstanding capabilities for designers and fabricators seeking to create their own legendary signage, displays and graphic applications.

- **4 Application Guide**
- 5 Fabrication Guide
- **6 Fome-Cor**® The Foundation of Great Ideas Extruded polystyrene foam bonded between various high-quality papers
- **10 Structa-Board™** The New Big Hitter in Substrates Extruded polystyrene core sandwiched between lightweight manmade wood-fiber veneer
- **12 Sintra**® The Trusted Brand Leader Homogenous sheet of expanded rigid PVC
- **14 Gator** The Solid Choice Foamboard Exceptionally strong polystyrene foam bonded between a variety of durable facers
- **16 Dibond**® The Ultimate Substrate

 An aluminum composite material (ACM) made of two sheets of aluminum with a solid polyethylene core
- 18 Customer Service

Application Guide

Signage - Structural Framing - Archival Signage - Exterior **Exhibits & Kiosks** Signage - Interior

					0,	0,	0,	
ValuBoard™	S	S	L		S			
Foam-X® Recovery	S	S	U		S			
Fome-Cor® Board	S	S	1		S			
Fome-Cor® Acid-Free				L				
Fome-Cor® Self-Adhesive HT	S	S	<u> </u>		S			
Fome-Cor® Self-Adhesive LT	S	S	L		S			
Fome-Cor® Heat-Activated	S	S	O		S			
Fome-Cor® Jetmount®	S	S	O		S			the Office
Structa-Board™ NEW!	M	M	L		M			House
Sintra®	M	M	U	<u> </u>	M	M		
Gatorblanks ®	M	M			M	M		
GatorLite™	M	M	L		M			OPENING SOON
Gatorplast [®]	M	M			M			
Gatorfoam®	M	M	L		M	M1		
Dibond®	L	L	U	L	L	L	(1)	

- Short-term application life
- Medium-term application life
- M Black Gatorfoam is not recommended for outdoor usage
- Long-term application life
- ① Applications such as workzone signage, canopies, pylons and column covers

Fabrication WHAT CAN YOU DO

ramily Footwea

n	WHAT CAN YOU DO WITH IT?	Mounting	Repositioning Vinyl	Direct Digital Printing	Direct Screenprinting	Painting	Knife Cutting	Saw Cutting	Routing	Die Cutting / Punching	Embossing	Forming Curves	Framing
\$	ValuBoard™										*		
	Foam-X® Recovery					3							
	Fome-Cor® Board					3	\						
	Fome-Cor® Acid-Free												1
	Fome-Cor® Self-Adhesive HT												
ш	Fome-Cor® Self-Adhesive LT	\											
Z	Fome-Cor® Heat-Activated												
E B	Fome-Cor® Jetmount®					3							
С	Structa-Board™ NEW!				7	3				5			
٩	Sintra [®]	2					4			5			
	Gatorblanks®					3							
	GatorLite™					3				5			
	Gatorplast®					3				5			
	Gatorfoam®				7	3							
	Dibond [®]	2								6			

- 1 Archival conservation mounting
- 2 Cold mounting techniques only
- 3 Do not expose polystyrene to solvent-based paints
- 4 1-3 mm may be cut with a knife or blade
- 5 May be die cut in gauges up to 5 mm or 3/16"
- 6 Punch press die set is required, not a steel rule die
- 7 Face priming will provide better results



FOME-COR°

THE FOUNDATION OF GREAT IDEAS

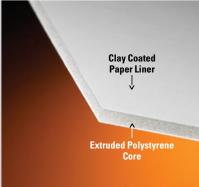




FOME-COR BOARD



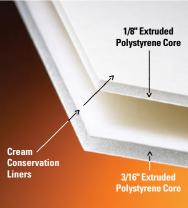
FOAM-X'RECOVERY



JETMOUNT®



ACID-FREE



Fome-Cor Board is the extruded polystyrene foam board with clay coated liners that has set the industry standard for more than 40 years

Why choose Fome-Cor Board?

- > The original graphic arts foam board with a great reputation for performance
- > Perfect for die-cutting and provides a compressed edge that stays closed
- > Quick service on cut-to-size orders including large sheets up to 8'x10'
- › Uniquely embossable

Foam-X Recovery is an extruded polystyrene foam center board with clay coated paper liners

Why choose Foam-X Recovery?

- › Economical alternative to competitive foam boards
- Memory core resists denting
- > Cuts easily and cleanly, even by hand
- > Edges remain open when die cut
- > Extremely lightweight



Fome-Cor JetMount offers a denser extruded polystyrene center with clay coated paper liners

Why choose Fome-Cor JetMount?

- The denser core provides increased rigidity and warp resistance
- Great for more demanding mounting jobs for display, signage and framing
- > Well suited for direct printing applications, either screen print or digital

Fome-Cor Acid-Free paper liners meet Library of **Congress standards for conservation framing**

Why choose Fome-Cor Acid-Free?

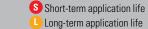
- > Provides valuable art and photographs the archival preservation they deserve
- > No additional backing is required, saving time and framing materials



- Structural Signage - Exterior **Exhibits & Kiosks** Signage - Interior POP Displays **Applications** Fome-Cor Board SS S Foam-X Recovery
- **Fabrication** Fome-Cor Board **S** S S Foam-X Recovery SS S **Jetmount Jetmount** Acid-Free Acid-Free
 - 1 Do not expose core to solvent-based paints



- > Standard thicknesses of the Fome-Cor product line include 1/8", 3/16", 1/4", and 3/8" with variety of paper facers and foam color combinations
- > Facers White clay-coated liner, black and natural kraft liners
- > Foam White and black
- > Sheet size ranges from 20" x 24" to 96" x 120".
- > High volume (multi-truck load) cut-to-size orders are readily handled.
- > Please call 800.626.3365 or visit our website for current product line information at www.alcancompositesusa.com
- 1. Clock sculpture created by adhering colored, textured papers to 1/8" and 3/16" Fome-Cor. Scoring, bending and hand-cutting add to the overall dimension.
- 2. High-resolution digital inkjet print on semi-gloss photo paper 4. Thunderbird totem created and mounted on 3/16" white Fome-Cor Acid-Free.
- 3. Artist's environment entitled "Shadow Proxy" is a walk through 30' by 30' by 12' sculpture, consisting of hundreds of geometrically cut and scored panels of both 3/16" white and black core Fome-Cor Board.
 - using 3/16" white Fome-Cor Board, mounted digital graphic, die-cut and embossed.



2 Archival conservation mounting

FOME-COR®

SELF-ADHESIVE

High-Tack Idhesive Coating under

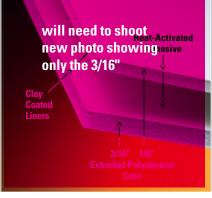
Fome-Cor Self-Adhesive offers an extruded polystyrene center with adhesive on one side. Simply peel back the release liner as you position the graphic on the sticky surface

Why choose Fome-Cor Self-Adhesive?

- > Eliminates the use of pressure sensitive adhesive stock
- Available in repositionable Low-Tack (LT) or immediate bonding High-Tack (HT)
- > Both LT and HT offer a smooth surface with a rigid core for excellent mounting performance
- > HT identified by red release liner and LT identified by blue release liner

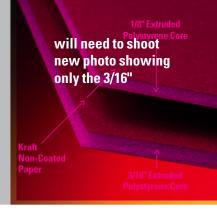






VALUBOARD





Fome-Cor Heat-Activated offers an extruded polystyrene center with heat-activated adhesive on one side that eliminates the use of hot melt tissue stock

Why choose Fome-Cor Heat-Activated?

- > Provides a smooth, consistent mounting surface that saves time and production steps
- The adhesive is activated with low temperature settings for a quick, damage-free mount
- > Can be used on a heated mechanical or vacuum dry mount press or with a heated roller laminator
- › Edges remain closed when die-cut

ValuBoard offers an extruded polystyrene center laminated between natural kraft liners

Why choose ValuBoard?

- > A cost-effective alternative to corrugated cardboard
- > Provides a smooth surface for mounting with no flute marks
- Can be die-cut and embossed for 3-D effect displays

Applications	POP Displays	Exhibits & Kiosks	Framing	Framing - Archival	Signage - Interior	Signage - Exterior	Signage - Structural
Self-Adhesive HT	S	S			S		
Self-Adhesive LT	S	S			S		
Heat-Activated	S	S			S		
ValuBoard	S	S			8		

Fabrication	Mounting	Repositioning Vinyl	Direct Digital Printing	Direct Screenprinting	Painting	Knife Cutting	Saw Cutting	Routing	Die Cutting / Punching	Embossing	Forming Curves	Framing
Self-Adhesive HT									\			
Self-Adhesive LT	\					\			\			
Heat-Activated						\			\			
ValuBoard	\					\rightarrow			\rightarrow	\		

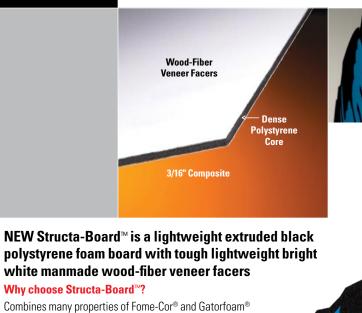
- > Standard thicknesses of the Fome-Cor product line include 1/8", 3/16", 1/4", and 3/8" with variety of paper facers and foam color combinations
- > Facers White clay-coated liner, black and natural kraft liners
- > Foam White and black
- > Sheet size ranges from 20" x 24" to 96" x 120".
- > High volume (multi-truck load) cut-to-size orders are readily handled.
- > Please call 800.626.3365 or visit our website for current product line information at www.alcancompositesusa.com
- 5. Upper portion of statue printed directly on 3/16" white Fome-Cor and embossed. Base of statue digitally printed on vinyl mounted on 3/16" white Fome-Cor. Entire image hand cut 3/16" Fome-Cor Acid-Free. with Exacto® knife.
- 6. Shiva, the Indian icon, is a digital graphic mounted to 3/16" Fome-Cor, embossed and die-cut.
- 7. In-store window display made 9. Artist's palette features bright with 3/16" white Fome-Cor laminated with colored vinyl and of 3/16" white Fome-Cor. The die-cut into star shapes.
- 8. Archival photo mounting using

gold foil mounted to both sides image is screen-printed with four flat colors, mounted with water-based adhesive, die-cut and embossed. The edges and oval thumbhole cutout were die-cut with closed edges.

STRUCTA-BOARD

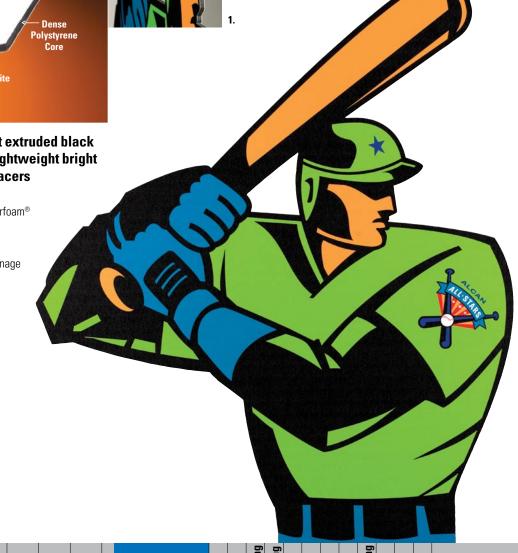
THE NEW BIG HITTER **IN SUBSTRATES**





Why choose Structa-Board™?

- > Combines many properties of Fome-Cor® and Gatorfoam®
- > Quick service on multi-truck cut-to-size orders
- Dent and scratch resistant surface
- > Perfect for point-of-purchase (POP) and interior signage
- Application duration is typically multi-year



Applications	POP Displays	Exhibits & Kiosks	Framing	Framing - Archival	Signage - Interior	Signage - Exterior	Signage - Structural		
tructa-Board	8	M			M			S	t

Medium-term application life Long-term application life

- **Fabrication** tructa-Board
- 1 Face priming will provide better results
- 2 Do not expose polystyrene to solvent-based paints
- 3 May be die cut in gauges up to 5 mm or 3/16"



- printed on 3/16" (5mm) Structa-Board using Luscher JetPrint using Matthews Acrylic
- request. High volume (multi-truck load) cut-to-size orders are readily handled. edge remains after routing).
 - 2. Turkey image direct digital 3530 flatbed inkjet printer and high-performance adhesive. I-CUT into seven separate layers.
- **1.** Slugger image direct digital **3.** Sandwich board hand-painted **5.** Babe Ruth silhouette on 3/16" (5mm) Structa-Board silkscreened on 3/16" (5mm) 3530 flatbed inkjet printer and Polyurethane, I-CUT and assemmesh (wet emulsion) using CNC routed. (detail shows clean bled using double-faced tape.
 - 4. Oranges produce sign mounted Duraflex print on 3/16" (5mm) was dry imaged (eco-friendly printed on 3/16" (5mm) Structa- Structa-Board, lustre laminated Board using Luscher JetPrint and I-CUT. Letters adhered with
- Structa-Board through a 355 Polymeric Imaging XR series ink on our Sias Longstroke press. Film process). Cut on a vertical band

saw and hand-sanded edges.





> Standard product thickness is 3/16"

> Foam – Black with some recycled foam

> Standard sheet size is 4' x 8'. Custom sheet sizes up 96" x 120" are available on

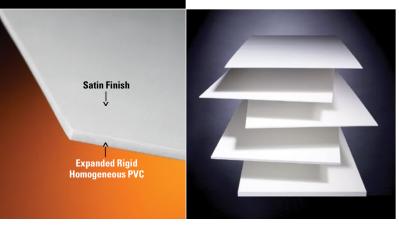
> Please call 800.626.3365 or visit our website for current product line

information at www.alcancompositesusa.com

Facer – Bright white

SINTRA

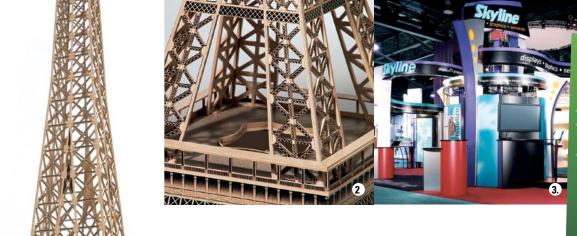
THE TRUSTED BRAND LEADER



Sintra is a lightweight yet rigid board of moderately expanded closed-cell polyvinyl chloride (PVC) extruded in a homogenous sheet with a low gloss matte finish.

Why choose Sintra?

- 3mm and 6mm standard with print optimized properties
- > Sintra Bright White is now the brightest and whitest PVC board on the market
- The trusted brand leader by which all others are measured
- › Lightweight yet rigid and durable
- > Easily formed into just about any shape imaginable using wood and foam board fabrication techniques
- > Heat formable and chemical resistant
- > Superior dent and scratch resistance
- > Custom colors and special cuts available











Medium-term application life Long-term application life

- **Fabrication** Sintra
- 1 Cold mounting techniques only
- 2 1-3 mm may be cut with a knife or blade
- 3 May be die cut in gauges up to 5 mm or 3/16"



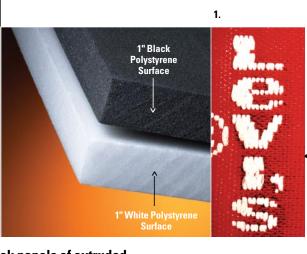
- > 3mm and 6mm standard with print optimized properties.
- > Standard product thicknesses include 1mm, 2mm, 3mm, 6mm, and 13mm. Custom thicknesses up to 13mm are available on request.
- > Product colors Bright white, black, gray, light gray, dark red, dark blue, dark green, and bright yellow. Custom colors available on request.
- Sheet size ranges from 1M (39.37") x 96" to 2M (79.92") x 120". Custom sheet sizes available on request.
- > Please call 800.626.3365 or visit our website for current product line information at www.alcancompositesusa.com
- 1. Eiffel Tower made of scanned grayscale images printed directly on 3 mm and 6 mm beige Sintra using a Zund UV jet 215C printer and routed on a Zund LP2500. Edges cut with 45° miter and glued. Tower assembled in three sections and stands 6' tall.
- image imprint and routed edges.
- 3. Trade booth and sign letters covered in 13 mm black Sintra with a laminate adhered on both sides. Letters sized by router.
- 4. POP display created using 3 mm white Sintra screenprinted and cut on table saw.
- 5. Built with 546 pieces of 4 mm white Sintra, this Mayan pyramid was cut with a table saw, by hand with a jig and glued together with PVC cement. and UV curable inks. pounds and measures 46" wide
- 6. Interior sign made of 3 mm black Sintra cut on CNC router and flexed into circular aluminum extrusion system.
 - 7. Owl poster printed on 6 mm bright white Sintra using a Columbia Inca flatbed printer
 - **8.** Crayon shapes created from 3 mm yellow, blue, red and black Sintra formed using heat gun; vinyl applied for finishing.

THE SOLID CHOICE FOAMBOARD

GATORLITE™



GATORBLANKS

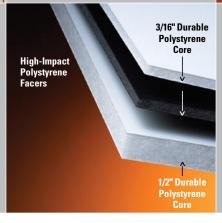


Today!









GATORFOAM®



Gatorblanks are thick panels of extruded polystyrene with no facers

Why choose Gatorblanks?

- The white surface is entirely polystyrene foam and readily accepts non-solvent inks or water-based paints
- > Lightweight yet durable and easy to cut and form
- > Perfect for signs, displays and dramatic in-store lettering

Gatorplast is an extruded polystyrene foam board bonded between two layers of high-impact polystyrene sheets

Why choose Gatorplast?

- > Smooth, high-impact facers resist warping
- > Lightweight and water resistant
- > Vinyl letters are repositionable

GatorLite is an extruded polystyrene foam board like Gatorfoam but offers a lighter facer Why choose GatorLite?

- Offers great value for mid-range applications
- > Rigid and durable yet can be cut with a knife
- › Available with white foam and natural kraft facers, as well as black foam and black facers

Gatorfoam is an extruded polystyrene foam board bonded between two layers of Luxcell® wood-fiber veneer

Why choose Gatorfoam?

- > The original, heavy-duty graphic arts board
- > Excellent reputation for great performance
- New, bright white facer is the brightest board of its kind and great for digital and screenprinting
- > Offers 5'x 10' large format capabilities





- Framing Archival Exterior **Exhibits & Kiosks** POP Displays Signage - | Signage -**Applications** M M M **Gatorblanks** M M M **GatorLite** M M M Gatorplast M M M Gatorfoam
- Medium-term application life
- **Fabrication Gatorblanks** GatorLite **Gatorplast** Gatorfoam
 - 1 Face priming will provide better results

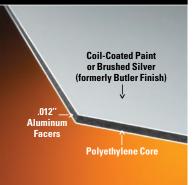
- 2 Do not expose polystyrene to solvent-based paints
- 3 May be die cut in gauges up to 5mm or 3/16"

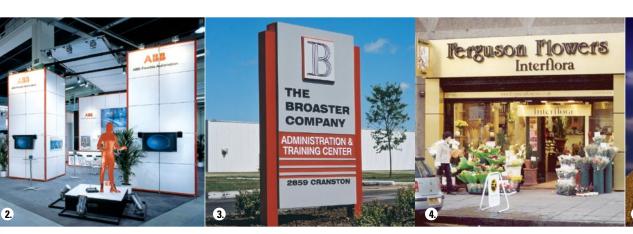
- > Standard product thicknesses include 3/16", 3/8", 1/2", 3/4", 1", 1 1/2", and 2" with a variety of facers and foam color combinations. Custom thicknesses up to 3" are available on request.
- > Facers Bright white, black and natural kraft liners
- > Foam White and black
- > Standard sheet sizes include 4' x 8', 5' x 8' and 5' x 10'. Custom sheet sizes up to 5' x 10' are available on request.
- > Please call 800.626.3365 or visit our website for current product line information at www.alcancompositesusa.com
- 1. Levi's® Red Tab sign digitally reproduced and mounted on 1" black Gatorfoam displayed in all Sears stores.
- 2. Sprint PCS® portable pointof-purchase kiosk was screenprinted and assembled using 1/2" white Gatorfoam.
- 3. Two layers of 1" Gatorfoam served as backer for 6'-4" sign of Vegas Vic. Body parts and clothing pieces layered with several pieces of Gatorfoam in various thicknesses—painted airbrushed, direct digitally
- printed, or mounted with vinyl, then routed and glued together. GLOWIRE electroluminecent wire attached with hot glue to
- 4. In-store signage application features multiple layers of 1/2", 3/4", 1" and 1-1/2" white Gatorfoam spray painted, screenprinted and routed.
- **5.** Retail sign letters fabricated using 1" white Gatorfoam, painted and CNC routed. Sign hase uses 1" white Gatorfoam painted and saw cut.
- 6. Durst Dice America, LLC, direct printed these air quitar Gatorfoam and cut out with the i-cut® automated digital die cutting system.
- 7. In-store scoreboard sign features multiple layers of 1/2", 3/4", 1" and 1-1/2" white Gatorfoam spray painted, screenprinted and routed.

DIBOND®

THE ULTIMATE SUBSTRATE





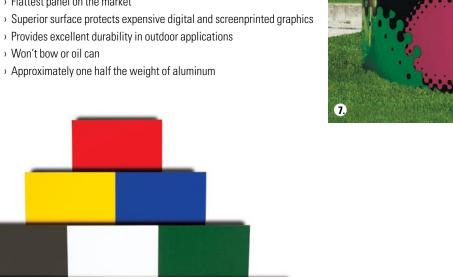




Dibond is an aluminum composite material (ACM) made of two pre-painted sheets of .012" aluminum with a solid polyethylene core.

Why choose Dibond?

- > Flattest panel on the market







- Long-term application life
- Applications such as workzone signage, canopies, pylons and column covers
- **Fabrication**
- 1 Cold mounting techniques only
- 2 Punch press die is required, not a steel rule die

- > Standard product thicknesses include 2mm, 3mm, and 4mm.
- > Product colors White, black, hunter red, caution yellow, dark green, ultra marine blue, dark bronze, fine silver, brushed silver, brushed gold, brushed copper, brushed bronze and brushed stainless.
- > Sheet size ranges from 4' x 8' to 5' x 10'
- > Please call 800.626.3365 or visit our website for current product line information at www.alcancompositesusa.com
- 1. Fuselage and nose routed from 3 mm brushed silver Dibond with hand finishing for further effect; screenprinted letters and substructure. digitally printed flags on clear adhesive film applied. Engine exhausts made with three layers of routed 6 mm black Sintra. Landing gear and wings made with multiple layers of 3 mm fine silver Dibond and 3 mm gray Sintra routed and laminated with airbrushed highlights.
- 2. Aluminum extrusion exhibit system made with 3 mm white Dibond panels with vinyl applied.
- Dibond painted and mounted onto steel post and aluminum
- 4. 3 mm brushed gold Dibond flat panels routed for size and shape; vinyl and acrylic letters applied; columns formed by
- **5.** Image direct digital printed on vinyl graphics applied. 3 mm brushed gold Dibond using **8.** Exterior sign made with inkjet printer; hand cut, routed on CNC router with colored with v-groove on back and bent acrylic letters applied. at approximately 10°.
- **3.** Exterior sign uses 4 mm white **6.** Light box uses 3 mm fine silver Dibond sized on table saw, hand routed for acrylic letters and pop riveted into aluminum
 - 3 mm black Dibond pyramid rolled and attached to an aluminum substructure with
- Luscher JetPrint 3530 flatbed 2 mm white Dibond letters cut



LEGENDARY CUSTOMER SERVICE & TECHNICAL SUPPORT







Alcan Composites is recognized as having the best and most comprehensive customer service and technical support in the industry. Our people, as well as our expanded family of products, deliver the level of performance you expect and deserve from the clear market leader.

How do I select the right product for my project?

Take a look at the Product Information Guide, Application Guide and Fabrication Guide. Or request a sample box to get a hands-on look at the complete range of product offerings. Or visit our website where you'll find complete product guides and downloadable Processing and How-To manuals. Choosing your graphic display board is easier than ever.

What about technical support?

Every business day of the year, our engineers and technicians are just a phone call away to help you with product selection and fabrication. There aren't many problems or situations our technical experts haven't faced or can't solve.

How do I locate a distributor?

Simple. Call 800.626.3365 or e-mail info.usa@alcan.com and we'll put you in touch with a nearby distributor.

How do I get more information or assistance? ? 🕿 😊

To speak with a sales rep: 800.626.3365 or e-mail info.usa@alcan.com

For samples and literature: 800.626.3365 For technical support:

For product applications: www.alcancompositesusa.com

To locate a distributor: 800.626.3365 or e-mail info.usa@alcan.com Para información en Español, llame al 1.704.838.7062 o visite nuestra

página web: www.alcancompositesESP.com

FOME-COR' STRUCTA-BOARD" | SINTRA' | GATOR' | DIBOND'

BE SURE TO CHECK OUR WEBSITE FOR CURRENT PRODUCT INFORMATION www.alcancompositesusa.com

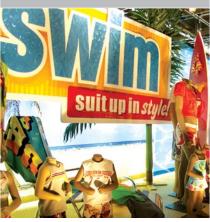
ALCAN COMPOSITES











FOME-COR° | STRUCTA-BOARD° | SINTRA° | GATOR° | DIBOND° IT'S WHAT LEGENDS ARE MADE OF CREATE YOUR OWN

Fome-Cor®, Sintra®, Dibond® and Gator are registered trademarks of Alcan Composites USA Inc. Structa-Board™ is a trademark of Alcan Composites USA Inc. ©Alcan Composites 2007. All Rights Reserved.

ALCAN COMPOSITES USA INC

1.800.626.3365

www.alcancompositesusa.com