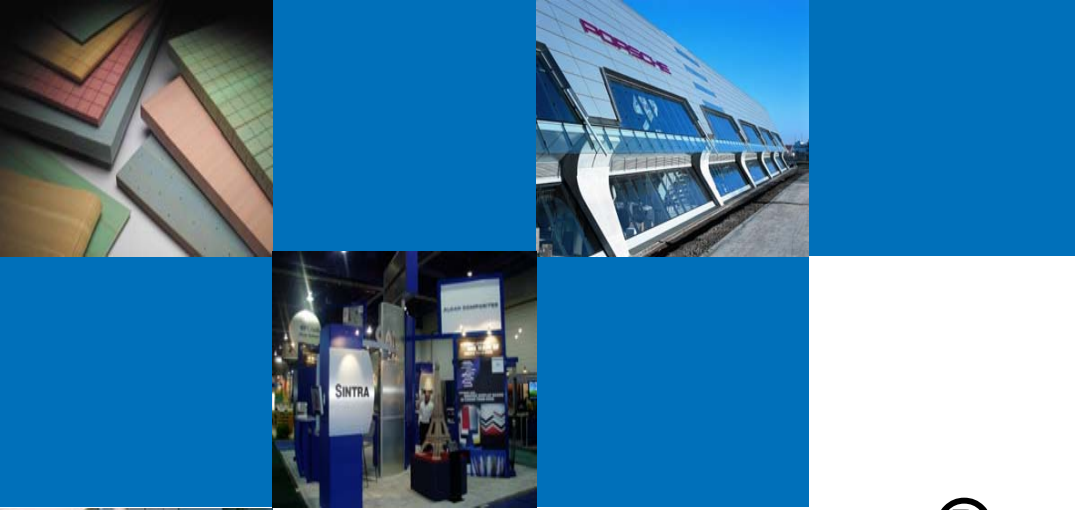


3A COMPOSITES



DIBOND®

THE ULTIMATE ALUMINUM COMPOSITE MATERIAL (ACM)

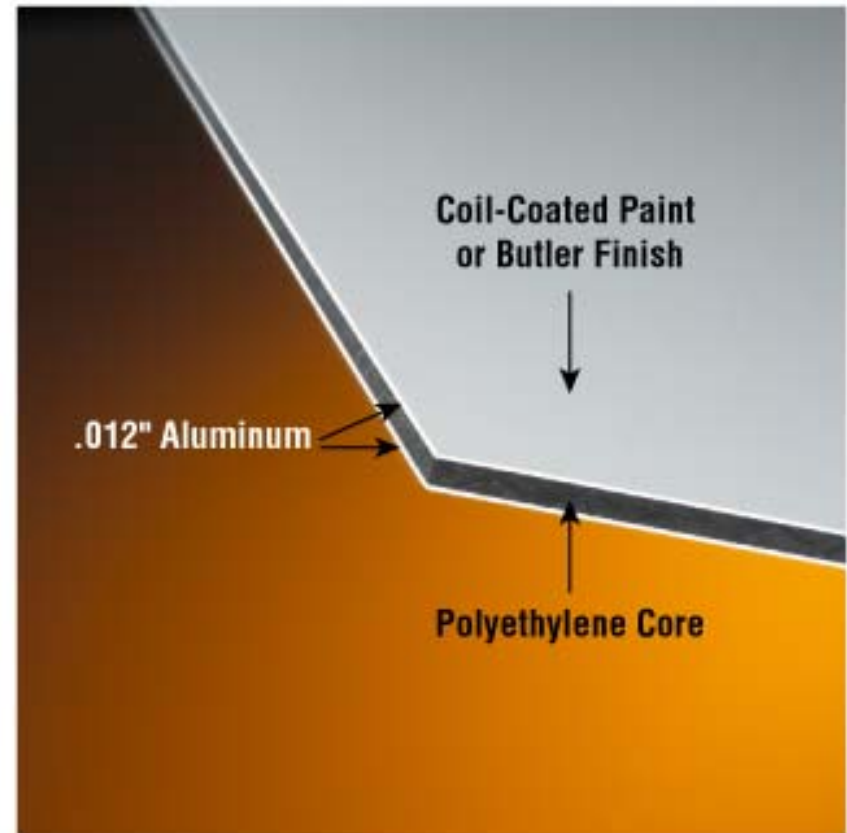
Sales Training Presentation by 3A Composites
Level 201



- Welcome to the Sales Training Presentation by 3A Composites
- In this 201 level regarding the Dibond® Aluminum Composite Material (ACM) product, you will learn the answers to the most simple and frequently asked questions about FABRICATING this material.
- These questions refer to general Dibond fabrication techniques. The Dibond Processing Manual should be referred to for more details.

What is Dibond[®]?

- It is an extremely flat sheet material composed of two outer aluminum skins
- 0.012"
- Coated with a high quality consistent polyester paint finish
- Polyethylene core



How can you fabricate Dibond®?

- Please refer to the Dibond® Fabrication Guide over the next few slides

Dibond	Fabrication
1	Mounting
	Repositioning Vinyl
	Direct Digital Printing
	Direct Screenprinting
	Painting
	Knife Cutting
	Saw Cutting
	Routing
2	Die Cutting
	Embossing
	Forming Curves
	Framing

1 Cold mounting techniques only

2 Punch press die is required, not a steel rule die

Mounting and Repositioning Vinyl

- Mounting on Dibond® should be done using cold-mounting techniques only
- Repositioning Vinyl
 - Is possible on Dibond's surface
- What type of adhesives will adhere to Dibond ?
 - There are a wide variety of adhesives that should work on the polyester finish of Dibond, including:
 - Silicones
 - Many acrylic based adhesives
 - Double sided acrylic foam tapes

- Can you direct print ink jet inks onto Dibond®?
 - YES - Solvent based ink jet inks (air and UV) have been tested on standard polyester finishes with good results.

- Will paints adhere to the surface of Dibond®?
 - Any paint that is recommended for an application over a polyester finish that does not require sanding of the finish should work with Dibond.

- Dibond® cannot be knife cut, but it can be fabricated in a variety of other ways such as:
 - Shearing
 - Drilling
 - Punching (not die – cut)
 - Machine or hand routing
 - Cut with a table saw
 - Cut with a panel saw
- Carbide-tipped blades are recommended for routing

Embossing and Forming Curves

- While Dibond® cannot be embossed, it can be bent into shapes like aluminum and other metals
- How can you bend or curve Dibond?
 - Dibond can be bent in an ordinary break press or pyramid roller; it may also be folded after making a simple relief rout in the material.

- Do I have to seal the edges when using Dibond® outdoors?
 - NO – Dibond's solid core is resistant to moisture and the skins will not delaminate even in outdoor conditions.

- Why would I use Dibond® instead of solid aluminum?
 - Dibond is much lighter requiring less structural support
 - Dibond is also much flatter
 - Dibond will not oil can in outdoor applications
- What kind of classification does this panel have that relates to fire?
 - Dibond is classified as a Class 1 (UBC) and a Class A (NFPA) panel based on the results of the ASTM-E84 Steiner Tunnel Test. A **class 1 fire rating** is a measurement of how much smoke is produced and how quickly the material burns. This basically means that Dibond is safe to use, as it is self-extinguishing.
- Can I use Dibond in electrical signage applications?
 - Dibond is recognized as a "Component - Sign Accessories" by Underwriters Laboratories, Inc.

Dibond® Selling Points

- It is the flattest panel on the North American display market
- Dibond® has a superior surface for digital printing.
- It has superior durability in outdoor applications.
- It does not bow or oil can.
- It is approximately 1/2 the weight of aluminum.
- Can be easily cut with wood techniques and routers with a carbide tip.

THE END

For more UPDATED and detailed information on fabricating this product you can refer to the Dibond[®] Processing Manual – available on-line at:

www.DibondUSA.com

or by calling

800.626.3365.