

beBond ACP



beBond ACP is Glantz's solid core aluminum composite panel.

Features & Benefits

- Optimal for direct digital printing, bending, routing and cutting.
- Durable, water resistant construction.
- Solid core prevents bowing, warping, swelling and delamination.
- Flat, smooth surface read for paint, inks, vinyl letters and more.
- A high-quality, low-cost for interior and exterior signage needs.
- Limited six-month warranty on Econo and up to 10 years limited warranty on Premium. *(Contact your local branch for full warranty information.)*

Ideal Usage

- Scoreboards
- Billboards
- Real Estate Signs
- Highway Signage
- Government Spec Work
- Fascias
- Canopies

TYPE	GLANTZ CODE	COLOR*	THICKNESS	SHEET SIZE*	FINISHED SIDES
Econo	EMFB30	White/Natural	3mm	4' x 8'	1
Econo	EMFB31S	White/White	3mm	4' x 8'	2
Premium	EMPB30	White/Natural	3mm	4' x 8'	1
Premium	EMPB31L	White/White	3mm	4' x 8'	2

*Not all product size and color options are listed here. Contact your local branch for a list of available items.



To order, call or visit us online today!
1.866.NGLANTZ (645.2689) • nglantz.com

Technical Data of PREMIUM beBond ACP

Panel Specifications		
Characteristics	Size	Tolerance
Width and Length	4' x 8' or 4' x 10'	-3~ +3mm
Thickness	3mm	-0.2 ~ +0.2mm
Squareness	Diagonals equal within -3 ~ +3mm	
Flatness	Maximum variation: -0.2 ~ +0.2mm	
Aluminum and Paint Specifications		
Characteristics	Standard Index	Tolerance
Aluminum Thickness	0.20mm	-0.2 ~ +0.2mm
Paint Film Thickness	16µm	-1~ +1µm
Alloy/Temp	AA1100, H18	
Surface Pencil Hardness	2H	
Paint	1 or 2 sides Polyester painting system	
Flexibility	T	
Pollution Resistance	< 4.3%	
Adhesive	Class 1	
Physical and Chemical Specifications		
Panel Thickness	3.55mm	
Cover Sheet Thickness	0.2mm	
Weight	3.55 Kg/m ²	
Moment of Inertial I	0.123 cm ² /m	
Section Modulus W	0.81 cm ³ /m	
Rigidity E J (kN cm ² /m)	865	
Alloy/Condition of Cover Sheets	AA1100, H18	
Modulus of Elasticity (N/mm ²)	70,000	
Tensile strength of cover sheets (N/mm ²)	R _m : 145 – 185	
Proof Stress (0.2%) (N/mm ²)	R _{p0.2} : 110 – 175	
Breaking Elongation	A ₅₀ > 3%	
Peel Strength	3 N/mm	
Heat Distortion Temp.	102°C	
Bending Strength	72MPa	
Impact Resistance	20kg cm no depainting, no crack	
Linear Thermal Expansion	2.0mm/m at 100°C difference in temp	
Sound Absorption Factor (α _s)	0.05	
Airborne Sound in Solution	24	
Index R _w (dB)	N/A	
Loss Factor d	0.0057	
Thermal Resistance 1/λ (m ² K/w)	0.0080	
Heat Transition Coefficient K (W/m ² K)	5.61	
Water Absorption (%) DIN 53495	0.01	
Static charge	No antistatic treatment necessary	
Temperature resistance (°C)	-50~+80	
Core: Polyethylene LDPE (g/cm ³)	0.94	
Surface		
Painting	Polyester painting system	
Colors	White and Black	
Temperature Resistance	From -50°C to + 80°C	
UV Stability	Very good	

Technical Data of ECONO beBond ACP

Panel Specifications		
Characteristics	Size	Tolerance
Width and Length	4' x 8' or 4' x 10'	-3~ +3mm
Thickness	3mm	-0.2 ~ +0.2mm
Squareness	Diagonals equal within -3 ~ +3mm	
Flatness	Maximum variation: -0.2 ~ +0.2mm	
Aluminum and Paint Specifications		
Characteristics	Standard Index	Tolerance
Aluminum Thickness	0.10mm	-0.2 ~ +0.2mm
Paint Film Thickness	16µm	-1~ +1µm
Alloy/Temp	AA1100, H18	
Surface Pencil Hardness	2H	
Paint	1 or 2 sides Polyester painting system	
Flexibility	T	
Pollution Resistance	< 4.3%	
Adhesive	Class 1	
Physical and Chemical Specifications		
Panel Thickness	3mm	
Cover Sheet Thickness	0.1mm	
Weight	3.18 Kg/m ²	
Moment of Inertial I	0.123 cm ² /m	
Section Modulus W	0.81 cm ³ /m	
Rigidity E J (kN cm ² /m)	N/A	
Alloy/Condition of Cover Sheets	AA1100, H18	
Modulus of Elasticity (N/mm ²)	70,000	
Tensile strength of cover sheets (N/mm ²)	R _m : 145 – 185	
Proof Stress (0.2%) (N/mm ²)	R _{p0.2} : 110 – 175	
Breaking Elongation	A ₅₀ > 3%	
Peel Strength	3 N/mm	
Heat Distortion Temp.	102°C	
Bending Strength	72MPa	
Impact Resistance	20kg cm no depainting, no crack	
Linear Thermal Expansion	2.0mm/m at 100°C difference in temp	
Sound Absorption Factor (α _s)	0.05	
Airborne Sound in Solution	24	
Index R _w (dB)	N/A	
Loss Factor d	0.0057	
Thermal Resistance 1/λ (m ² K/w)	0.0080	
Heat Transition Coefficient K (W/m ² K)	5.61	
Water Absorption (%) DIN 53495	0.01	
Static charge	No antistatic treatment necessary	
Temperature resistance (°C)	-50~+80	
Core: Polyethylene LDPE (g/cm ³)	0.94	
Surface		
Painting	Polyester painting system	
Colors	White and Black	
Temperature Resistance	From -50°C to + 80°C	
UV Stability	Very good	



To order, call or visit us online today!
1.866.NGLANTZ (645.2689) • nglantz.com