



E-BOND
Aluminium Composite Panel

COMPANY PROFILE

ALUMINIUM COMPOSITE PANEL
BUILDING MATERIAL
EXTERIOR & INTERIOR

WWW.ACPEBOND.COM

ADVANTAGES OF ACP EBOND PRODUCTS

1. Easy to Remove and Clean

The smooth surface makes ACP easy to clean from dust, dirt or other stains. Just using clean water and mild soap, you can restore ACP's original shine and brightness easily.

2. Many Color Choices

The variety of ACP colors helps in integrating the building with its environment. Whether it is an office building, shopping center, residence, or other public facility, the abundant color choices allow ACP to blend into the background of the surrounding environment or even create an eye-catching contrast.

3. Easy Installation

With its ergonomic and lightweight design, the ACP can be installed quickly and efficiently, saving time and labor. Two layers of aluminum provide rigidity and durability, while the polyethylene core provides lightness and thermal stability. This combination allows ACP to be easily shaped to suit project requirements, whether in flat or three-dimensional form.

4. Easy to Bend

In the world of modern architectural design, flexibility is one of the key factors desired by professionals. ACP EBOND meets these expectations very well. Another advantage of ACP's easy bendability is efficiency in installation. The installation process becomes faster and easier, because the ACP can be adjusted to the required shape and size without requiring complicated special treatment. This can save time and costs in construction projects.

5. Lightweight

Light ACP allows designers and architects to more freely experiment with shape, texture and detail in their designs. This opens up opportunities for limitless creativity, with the ability to create unique and interesting structures and facades.



GLOSSY BROWN
EB - 016



GLOSSY RED VELVET
EB - 017



GLOSSY RED
EB - 018



GLOSSY ORANGE
EB - 019



ORANGE
EB - 020



DARK YELLOW
EB - 021



GLOSSY LEMON YELLOW
EB - 022



COPPER
EB - 023



SPARKLING GOLDEN
EB - 024



JADE GREEN
EB - 025



GLOSSY APPLE GREEN
EB - 026



MALACHITE GREEN
EB - 027



GLOSSY GREEN PANTONE
EB - 028



GLOSSY SIGNAL BLUE
EB - 029



GLOSSY BLUE
EB - 030



GLOSSY BLACK
EB - 001



SPARKLING BLACK
EB - 002



GREY RAL
EB - 003



SILVER STONE
EB - 004



FLASHING SILVER GREY
EB - 005



WHITE SILVER GREY
EB - 006



GREY
EB - 007



IRON GREY
EB - 008



IVORY WHITE
EB - 009



SUB WHITE
EB - 010



CHAMPAGNE
EB - 011



WHITE
EB - 012



GLOSSY WHITE
EB - 013



SILVER MIRROR
EB - 014



GOLDEN MIRROR
EB - 015

SPECIFICATION TABLE

No	Item	Testing Method	Standard Index	Test Value
1	Density	GB/T11748-999	±0.5kg/m ³	4mm/4.7Kg
2	Bending Strength	GB/T11718-93	≥100Mpa	145Mpa
3	Bending Modulus Of Elasticity	GB/T11718-93	≥2.0 × 10 ⁴	3.3 × 10 ⁴
4	Penetrating Resistance	ASTMD732-93	≥9.0kn	10kn
5	Shearing Strength	ASTMD732-93	≥28.0Mpa	33.2Mpa
6	180° Peel Strength	GB/T2790-93	≥7.0N/mm	10.6N/mm
7	Temperature Difference	GB/T11748-999	-40°C 80°C 20 times without	No Change
8	Thermal Expansion Coefficient	GB/T11748-999	≥ 4.0 × 10 ⁻⁵	1.35 × 10 ⁻⁵
9	Temperature Of Thermal	GB1643-93	±-105°C	105°C
10	Coating Thickness	ISO2360 (CNS840)	≥18um	≥18um
11	Pencil Hardness	ASTM D3363	≥1H	3H
12	Color Retention	ASTM D2244	Aging resistance test 4000 hours	Aging resistance test 4000 hours
13	Gloss Retention	ASTM D2244	Aging resistance test 4000 hours	Glossiness 30%
14	Chalk Resistance	ASTM D659	Aging resistance test 4000 hours	Aging resistance test 4000 hours
15	Flexibility(T Shape Bending)	ASTM D4145	IT,no crack	IT,no crack
16	Adhesive	ASTM D3359		Grade 0 by dashing lattice method, grade 1 by dashing circle method
17	Impact Resistance	ASTM D42794	No crack, no dropout	50kg.cm without depainting and without fissure
18	Friction Resistance	ASTM D968	64.6L/mil	64.6L/mil
19	Salt Spary Resistance	ASTM D117	3000 hours no change(5%NaCl,35°C)	3000 hours no change(5%NaCl,35°C)
20	Humidity Resistance	ASTM D714	3000 hours no change(100RH,35°C)	3000 hours no change(100RH,35°C)
21	Mortar Resistance	ASTM D605	No Change	No Change
22	Acid-Resistance And Alkali-R Esistanceea	ASTM D1308	No Change	No Change
23	Solvent Resistance	ASTM D2248	No Change MEK 100 times	No Change MEK 100 times
24	Aluminium	ASTM E3061		alloy 1100

QUALIFIED TEST

