ALUMINUM COMPOSITE PANEL

Aluminum composite panel has a long range of applications in nowadays construction,decoration and advertsing sign board making sectors,it features lightweight, high strength,superior rigidity, excellent flatness,weather resist ance and outstanding color retention and is being widely used as curtain wall overcladding,wood or Granite pattern ACP indoor and outdoor decorations in household,public areas and automotives,fireproof ACP for smoking room decoration.

RAW MATERIALS:
Basis aluminum:aluminum alloy 1100 and 3003
Plastic core:non-toxic low density polyethylene
Surface coating: PVDF, Polyester,FEVE, Nano, Spectra and special.

SPECIFICATION:
(1) Panel thickness:2mm,3mm,4mm,5mm,6mm
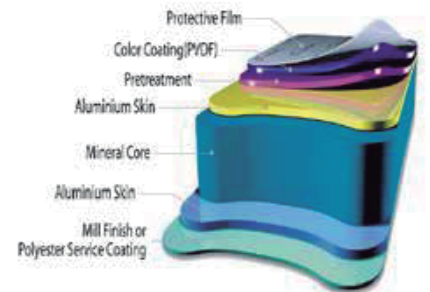(2) Alu skin thickness:0.20mm,0.25mm,0.3mm.0.35mm,0.4mm, 0.45mm,0.5mm
(3) Width: 1220mm,1250mm,1500mm,1550mm
(4) Length: less than 6100mm
(5) Standard size:1220x2440mm,1250x3750mm,1500x5000mm
(6) Color: 70 series of standard color in our color chart.
Special sizes and Color are available as customers requirement

PRODUCT VARIETY:
PVDF Aluminum Composite Panel for Architecture
FEVE Aluminum Composite Panel for Architecture
FR Aluminum Composite Panel for Architecture
NANO Aluminum Composite Panel for Architecture
Spectra Aluminum Composite Panel for Architecture
PE ACP for DIGITAL PRINTING
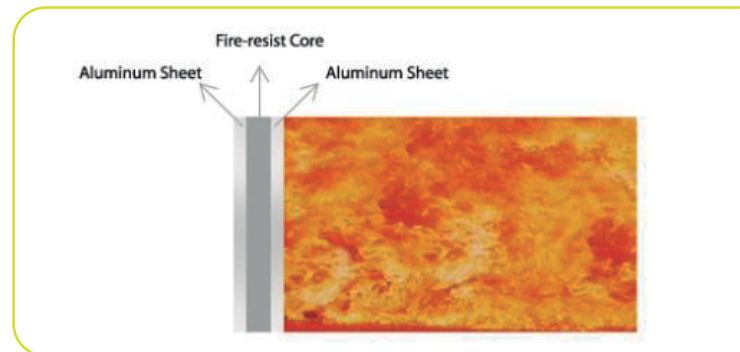PE ACP for Signage/Display
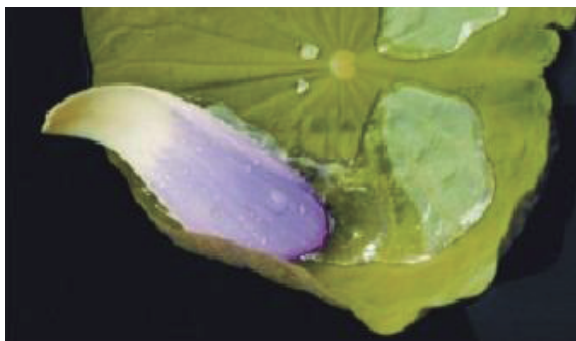Brush/Mirror ACP
Wood / Granite Pattern ACP

PVDF/FEVE Aluminum Composite Panel for Architecture Keywords:
Most popular, wholeworld
Recommend Dimension: 4mm,5mm,6mm, with alu-skin above 0.3mm
Color: champagne, metallic, metallic grey
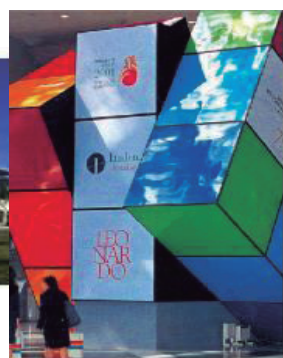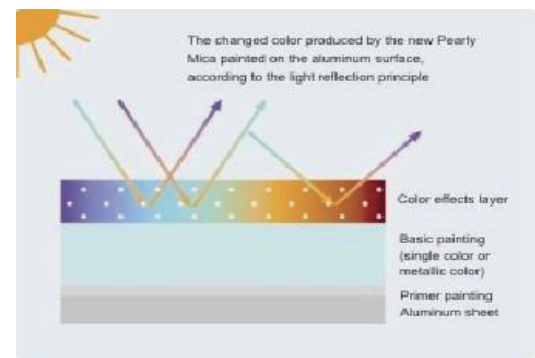Warranty: 15 years outdoor
Application: Kasmoll Building, Italy

DittaFORTE

FireResist Aluminum Composite Panel for Architecture Keywords:
Fire-proof in A2 degree, Safety
Recommend Dimension: 4mm,5mm,6mm, with alu-skin above 0.3mm
Color: champagne, metallic, metallic grey
Warranty: 15 years outdoor

Fire-resist Core
Aluminum Sheet | Aluminum Sheet

NANO Aluminum Composite Panel for Architecture Keywords: self-clean by rain, environment Recommend Dimension: 4mm,5mm, 6mm, with alu-skin above 0.3mm
Color: champagne, metallic, metallic grey
Warranty: 15 years outdoor

Spectra Aluminum Composite Panel for Architecture
Keywords: show different color from different eyesight
Recommend Dimension: 4mm,5mm,6mm, with alu-skin above 0.3mm
Color: spectra red, spectra champagne, spectra silver
Warranty: 15 years outdoor

The changed color produced by the new Pearly Mica painted on the aluminum surface, according to the light reflection principle

Color effects layer
Basic painting (single color or metallic color)
Primer painting
Aluminum sheet

PE ACP for DIGITAL PRINTING
PE ACP for Signage/Display Keywords: flatable, printing diectly, various color Recommend Dimension: 2mm,3mm,6mm, with alu-skin above 0.21mm, 0.3mm
Color: matt white, glossy white, matt black, brush, pink, blue, red, yellow, orange, green.
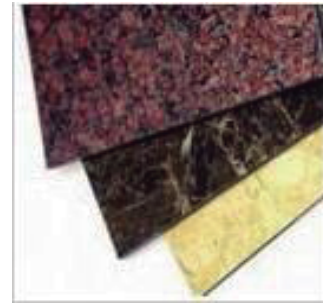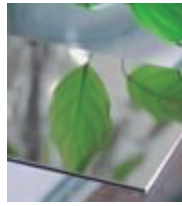Warranty: 3-5 years outdoor
8-10 years indoor

Brush/Mirror ACP
Wood / Granite Pattern ACP
for Decorative
Keywords: beautiful, morden
Recommend Dimension: 2mm-6mm, with alu-skin
above 0.21mm
Color: see our color chart

Physical features & technical parameters

Item	Standar Index	Test value
Weight	ASTM D792	T3mm - 3.8 kg/m2
Thermal expansion coefficient	ASTM D696	115
Thermal conductivity	ASTM D648	0.102 kcal/m.hr
Bending rigidity	ASTM C393	$14.0*10^5$
Penetration intensity	ASTM D732	1.640 kgf
Adherense intensity	ASTM D903	0.77 kg/mm
Cutting resistance	ASTM D732	2.7kgf/mm2
Combustion expansion coeffiecient	ASTM E84	Qualified
Wind pressure resistance	ASTM E330	Pass

Packing and Loading(professional export wooden cases)

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