

iBOND

Aluminum Composite Panel



Chameleon



PIVOT DECORATIVE MATERIALS CO., LTD.



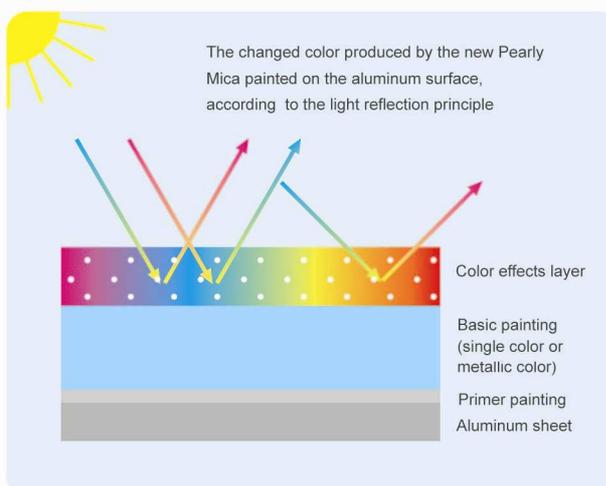
Shanghai Beigan Mountain Artistic Centre

Brief Introduction

Chameleon inspired by themes from nature such as iridescent colors. The surface coated with a special high gloss painting, bring us a smooth and colorful feeling. Interaction between light and material, reflection, diffraction and absorption are the secrets of color effects in nature.

Chameleon shows fantasy decorative effects, especially used in public places for interior and exterior decoration, commercial chains, car 4s shop, exhibition advertising and so on.

■ Chameleon Principle





Specification

Thickness: 3-6mm, commendation: 4mm
 Width: 1000-1575mm, commendation: 1220mm, 1250mm, and 1500mm
 Length: the maximum can be 5800mm, commendation: 2440mm, 3050mm, 4050mm

Chameleon Parameter

| Color No. | Color | Gloss/(°) | Variable Colors |
|-----------|-------------------|------------|------------------------------|
| 6040 | Spectra Silver | 60 ± 5 | Silver gray, Pink, Champagne |
| 6041 | Spectra champagne | 60 ± 5 | Grey, Green |
| 6042 | Spectra red | 60 ± 5 | Brown, Lavender |
| 6043 | Spectra blue | 60 ± 5 | Lavender, Copper-colored |

Featurers

- 1** **Optical:** Accord with the optical elements, the Chameleon use the light's reflection, diffraction, refraction and absorption. These color effects have fascinated motivated, triggered emotions and had an effect on men's feeling since time immemorial.
- 2** **Traditional Technics:** Pivot aluminum composite panel is composed of non-toxic and low density polyethylene core between two sheets of aluminum, with the technology of continuous compositing. The adhesive film keep the color well.
- 3** **Coating Performance:** Outdoor aluminum plastic composite panel is coated with fluorocarbon resin (PVDF) on the surface (Pearlescent mica PVDF>70%). The color has two main systems, Metal color and no-metal color. As for indoor aluminum plastic composite panel, PE coating is up to the usage requirement.
- 4** **Color Arrangement:** Chameleon are based on the same principle as natural color effects. Pigmentation effects add new dimensions to Chameleon with their luster, depth and color gradient.
- 5** **Sensory Theme:** Depending on the type of pigment and viewpoint, different, enchanting color effects with highlights and iridescent color gradients appear.
- 6** **Design Exertion:** The Chameleon has series of glossy and shape to meet the designer great originality of design, achieves perfect results.



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Test Report

| | Standard | Result |
|---------------------------------|-----------|--|
| Unit weight | ASTM D792 | T3mm=4.6kg/m ² T4mm=5.5kg/m ² |
| Thermal expansion | ASTM D696 | 24-28 |
| Thermal deformation temperature | ASTM D648 | 115°C |
| Thermal conduction | ASTM 976 | 0.102kcal/m.hr°C |
| Flexural rigidity | ASTM C393 | 14.0*10 ⁻⁵ |
| Impact resistance | ASTM D732 | 1.640 kgf |
| Adhesive strength | ASTM D903 | 0.77kg/mm |
| Flexural Elasticity | ASTM D790 | 4032kg/mm ² |
| Shear resistance | ASTM D732 | 2.7kg/mm ² |
| Fire propagation | ASTM E84 | QUALIFIED |
| Wind-pressure resistance | ASTM E330 | PASSED |
| Properties against water | ASTM E331 | PASSED |



Application & Project

Widly used for the art centre, museum, airport and the place which need the warm art environment.



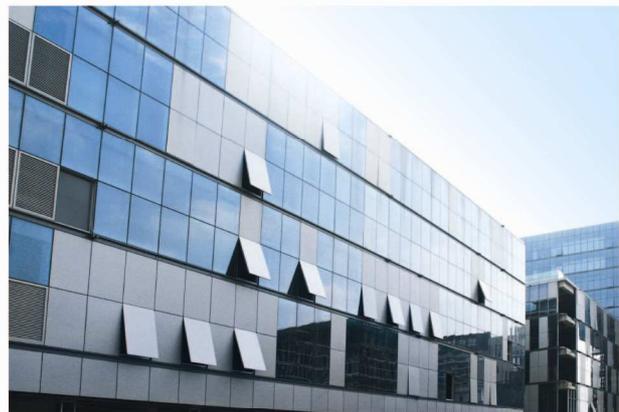
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Autolife



Vietnam-2005 Projects



Beijing-Zhongding Plaza

PIVOT DECORATIVE MATERIALS CO., LTD.

ADD: Pivot Industrial Park, Huashi, Jiangyin, Jiangsu, China
Post: 214421
Tel: 0086-510-86218220 Fax: 0086-510-86218185
E-mail: info@pivotacp.com
Web: www.pivotacp.com www.ibond.cn

Distributor

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