



Ar-Rad
INTERNATIONAL FOR TRADE AND INVESTMENT L.L.C
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INTRODUCTION TO METAL PHOTOSENSITIVE FILM PRODUCTS

EBPro
BOARDS



صنع في عُمان
Made in Oman



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In the journey of human pursuit of a better life

[Metal] has always been synonymous with creation and innovation

Unique texture, not only represents the strong and eternal, but also the perfect combination of elegant and modern

Metal can win the public favor, from its incomparable luster and power

As the indomitable will, the experience is more new



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PART ONE

THE EB METAL FILM

SERIES

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EB metal film series specifications

Metal Shiny film

Thickness: 0.3MM
Wide width: 1250MM
Length: 250 m / roll

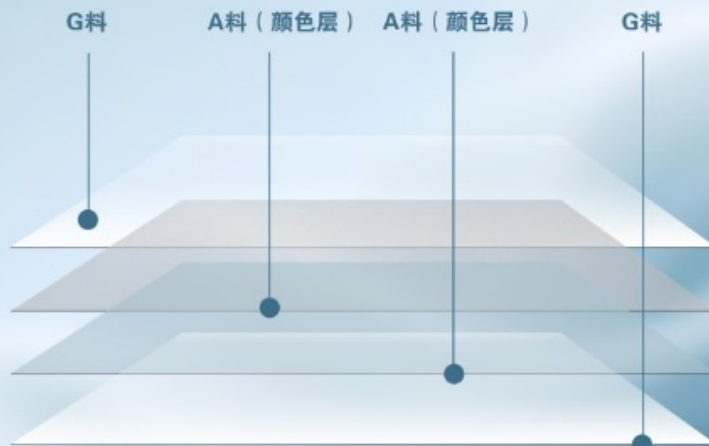
Metal Shiny sheet

Thickness: 0.73MM
Wide width: 1220MM
Length:
2440/2745MM

**Membrane material sealing strip: upgrade EB process sealing strip
(same color and same quality)**

Introduction of the structural process of EB film (metal photosensitive film)

Structural diagram of EB film



EB Film/sheet advantage:

- ① Nuclear technology electron beam curing technology, high curing rate, furniture plate surface innovative application
- ② Unique metal light sense effect, color balance, smart "0" color difference
- ③ PUR sealing strip and laser sealing strip are matched simultaneously
- ④ The sealing edge and the same color as the film/sheet
- ⑤ The design team wants to create popular colors
- ⑥ True color, the color phase is positive
- ⑦ Hundreds of designs and colors, casual collocation

The only domestic four-layer extrusion process manufacturers

| Parameter | Domestic film | Imported film | EB Film |
|---------------------------|-----------------|-------------------|---|
| | Molding process | UV/Excimer Curing | EB curing |
| Energy efficiency | / | low | high |
| Curing thickness | / | 10-100 microns | A few micrometers to a few millimeters |
| Cure temperature | / | 40-80°C | Slightly higher than normal temperature |
| Curing Time | / | 84 | 0.005 seconds |
| Solidifying gas | / | Air | inert gas |
| Catalyst | / | Photoinitiator | NOT REQUIRED |
| Environmental performance | / | High | Super high |
| Overall performance | General | Tising-falling | Super high |

EB Film [metal shinny] series 28 colors



EB-JF001



EB-JF002



EB-JF003



EB-JF004



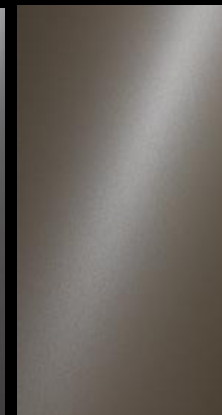
EB-JF005



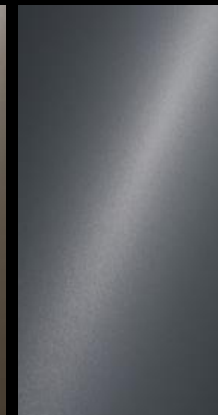
EB-JF006



EB-JF007



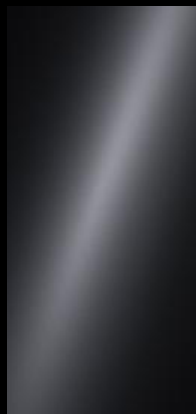
EB-JF008



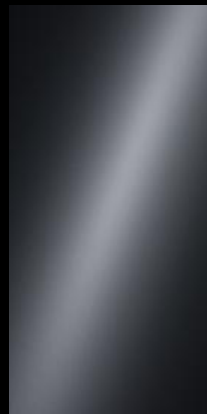
EB-JF009



EB-JF011



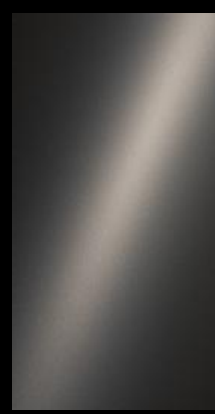
EB-JF012



EB-JF013



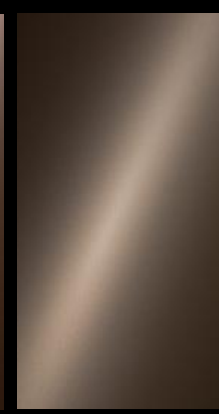
EB-JF014



EB-JF015



EB-JF016



EB-JF017



EB-JF021

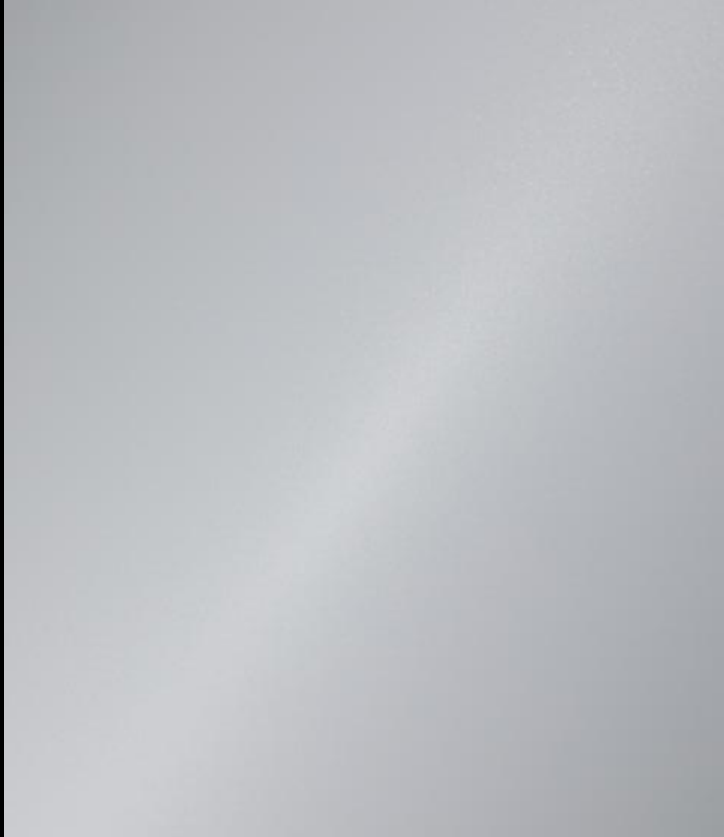


EB-JF027

Product preview (See the physical color card for detail)



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— new products

EB-JF001

"Platinum can" contains the deep interpretation of product characteristics and the sustenance of noble vision. Platinum, is a unique metal element, its color is bright and extremely high purity, a symbol of the high texture and purity of the product.



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new products

EB-JF014

The name "metal Huazhang" aims to capture the unique charm and noble quality of the product. "Metal", it is a good ductility, high reflective, represents the superior and excellent performance of the film itself. Not only has excellent external characteristics but also play the incomparable advantage in color.

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new products

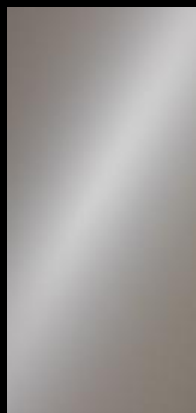
EB-JF021

"Chromium", widely used in a variety of decorative and protective coatings of the metal, represents the membrane material characteristics. The word "Dan red" is a vivid description of the film color. Dan red color represents enthusiasm and excitement, but also gives a person an elegant visual feeling, which further enhances the artistic sense of the product.

EB four resistant film [metal full light sheet] series first 20 colors



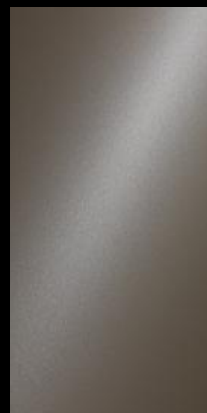
EB-PG001



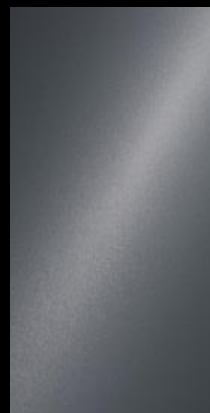
EB-PG006



EB-PG007



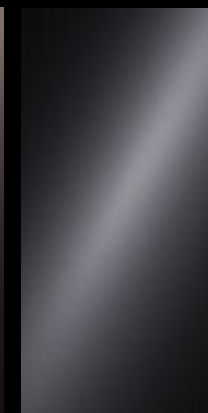
EB-PG008



EB-PG009



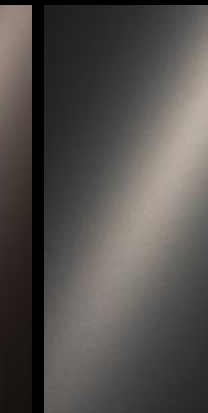
EB-PG011



EB-PG012



EB-PG014



EB-PG015



EB-PG016



EB-PG017



EB-PG018



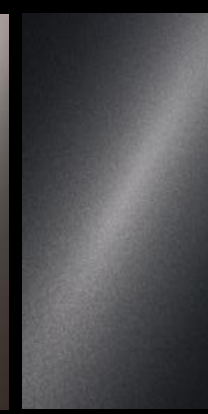
EB-PG020



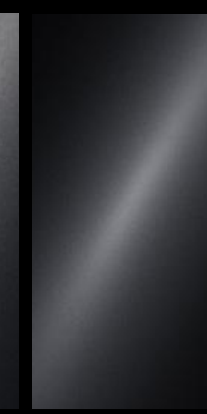
EB-PG022



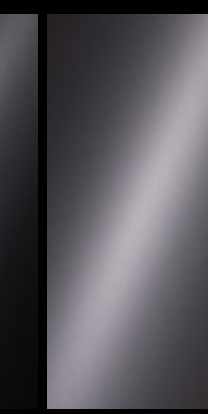
EB-PG023



EB-PG024



EB-PG025



EB-PG027

Product preview (See the physical color card for detail)



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new products

EB-PG007

The design inspiration of the product comes from the ethereal and flowing white clouds, reflecting their unique luster and texture. This metal film material is like a tough metal material, blending with the natural color and texture to create a unique visual charm and pleasant feeling, while also symbolizing the perfect integration of traditional art and modern craftsmanship in this product.

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new products

EB-PG011

The unique luster of the product reflects a brilliant radiance when sunlight hits its surface, symbolizing the power of brightness and positivity, injecting vitality and hope into the product. The product's color is like the morning copper sunshine, full of vitality and soul stirring. Using this natural phenomenon to depict products gives them vivid images and connotations, making them impressive in both quality and aesthetics, and highly recognizable.

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new products

EB-PG016

The attractive color and material characteristics of the product. The subtle and natural tones appear particularly noble. This color combines the durability of the material, the softness of the color, and the durability of the depth, accurately depicting the superb craftsmanship of the product texture, as well as the unique and irresistible color beauty.

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PART TWO

PRODUCT INSTRUCTIONS

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EB FILM APPLICATION ONTO DIFFERENT SUBSTRATE BOARDS

OSB board



Bamboo and wood fiber board



Particle Board



MDF



Multilayer Board



PVC Foam Board

Other plane substrates

More application scenarios



Whole house customization

Commercial space

yacht

touring car

EB electron beam curing technology improves performance to protect your ideal home life



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PART THREE

Core equipment advantages

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Core equipment advantages: jointly develop extrusion equipment with European SML



SML extrusion equipment ensures the overall stability of the product, and the thickness control of Italian intelligent thickness tester is within $5 \mu m$
The four-layer co-extrusion process achieves the unique metal light sensing effect, and the color master batch from American which guarantee each batch film color are same.

Membrane material core equipment advantages: nuclear technology electron beam curing technology



Civil non-power nuclear
technology

technological superiority:

The curing rate can reach
99.99%,

5 ms instant cure

Aging resistant,

No VOC pollution,

No heat effect,

Do not use solvent,

No photoinitiator is required

Special laboratory professional technical team.



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PART FOUR

Product Performance Test

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scratch resistant surface dense use more durable



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Before the test

EB technology level

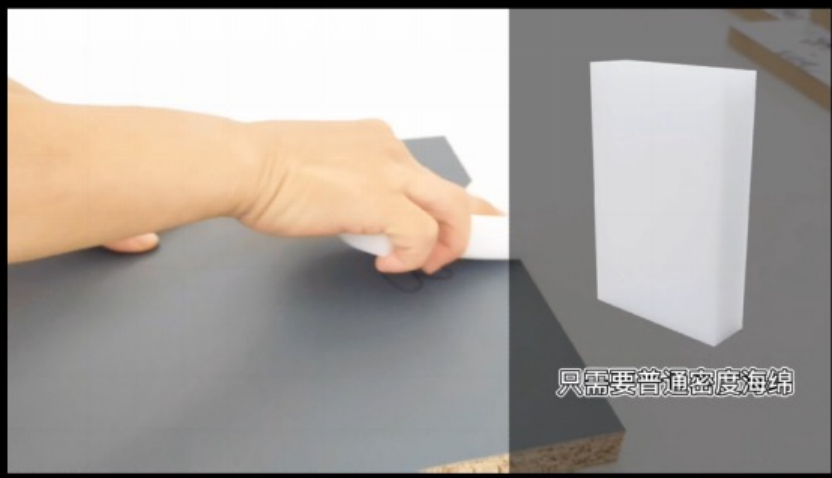
Domestic excimer product level

Domestic UV product level

After the test



Pollution-resistant and rot-resistant



Easy to clean- -just sponge and add water, leaving no marks



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Ten years of yellow resistance will look like a new one



Xenon lamp, GB / T 17657.4.41-2013. 300-420mm, 45°C, irradiance 42w / m² and 48H



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Anti-fingerprint

EB electron beam cured
antibacterial coating without
fingerprints
Constant clean and beautiful
as new



Antibiosis

Effective antibacterial, living
bacteria are not easy to attach to
the surface of the decoration away
from harmful bacteria



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Oman's No.1



SAVE TREES & GO GREEN



EB Pro
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