



صنع في عُمان
Made in Oman



Ar-Rad
INTERNATIONAL FOR TRADE AND INVESTMENT L.L.C
الوعد الدولية للتجارة والاستثمار ش م م

EBpro film Boards

Honorary Production by AR-RAD

AR-RAD



EBpro
BOARDS



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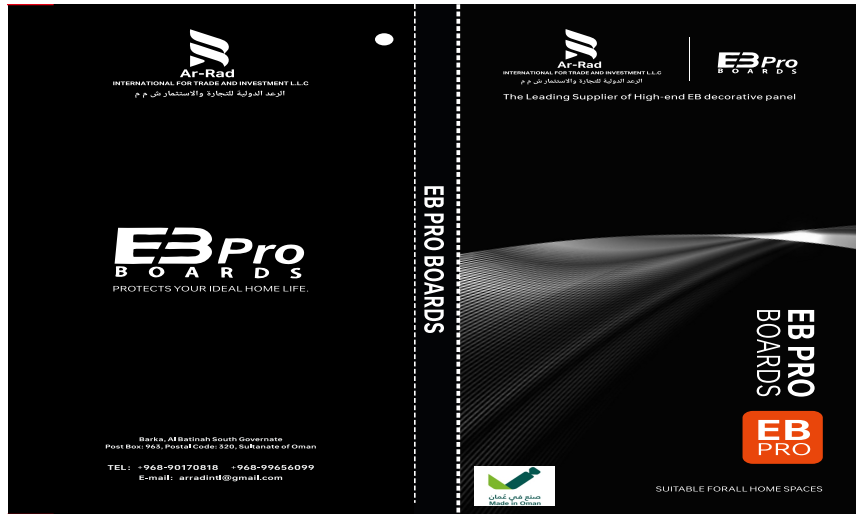
Company profile

AR-RAD



EBpro
BOARDS

Company Profile



AR-RAD Boards Division is one of the subsidiaries of AR-RAD INTERNATIONAL, since it set up EBpro Boards New Materials lamination line has been a diversified production and sales enterprise focusing on the boards' decorative material.

We own the first high-end Lamination production equipment in Oman which developed by AR-RAD INTERNATIONAL Group, and we own the first domestic EB (electron beam) film Lamination Line, and the first use the civilian nuclear technology to the decorative materials. At the same time, we have a professional technical research and development team and a senior production team to achieve building materials innovation, industry integration and multi-dimensional presentation, bringing a revolutionary experience to the building materials industry.



Main products : High-end decorative boards and films and matching color seal edge bar ,which with high gloss and super matte unique metallic finish and solid color finish.
 Products many advantages : color stable, high hardness, wear resistance, anti scratch, anti finger printing, scratches, hot repair,"0"formaldehyde, dry heat resistance, pollution resistance, burning resistance, anti yellowing etc.



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2

Product Introduce

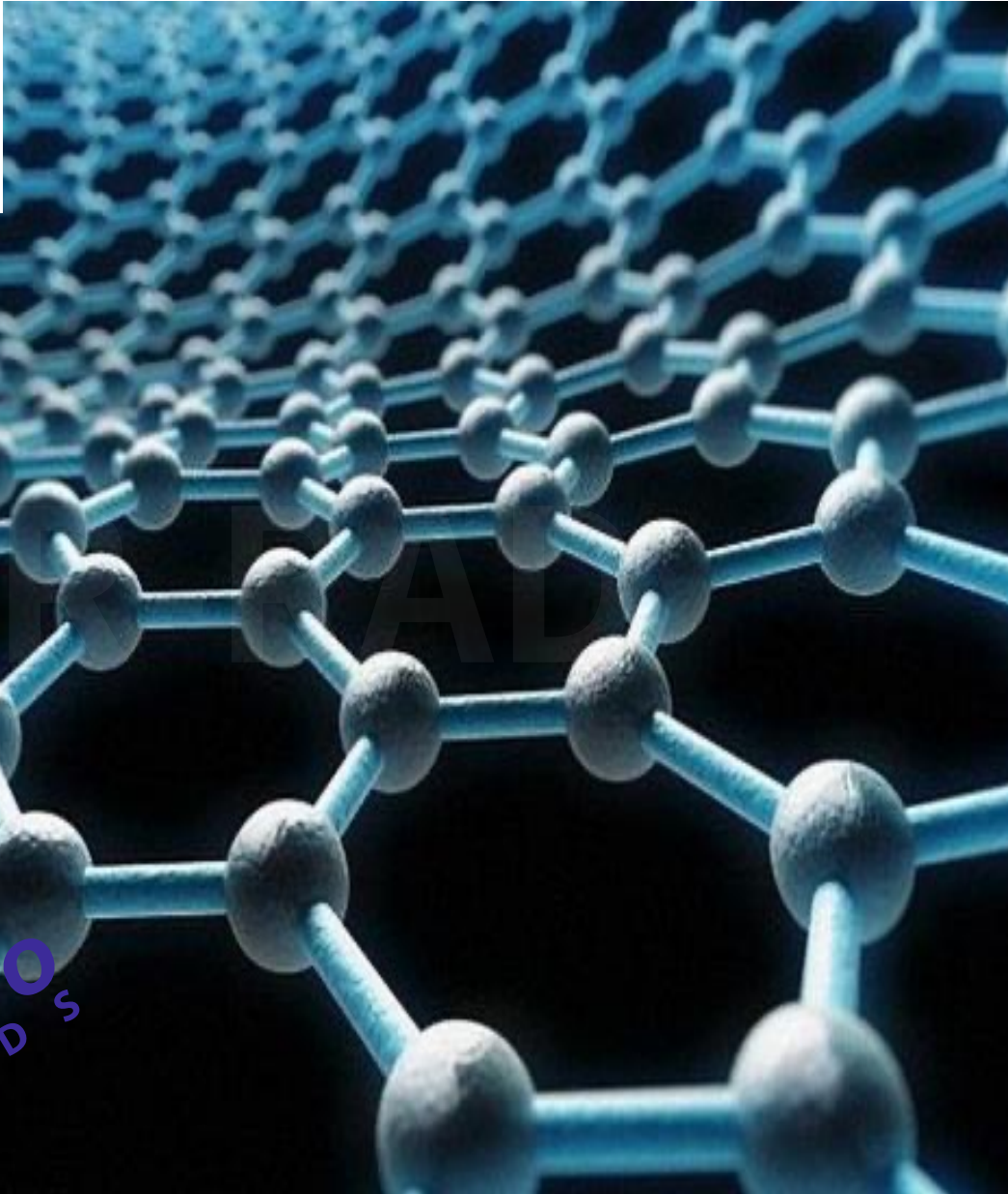
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MY NAME

EB pro Films

Composition

New type of polymer materials

EB film material series contents



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1: What is EB film material?

EB film raw material is a kind of high polymer material, as below :



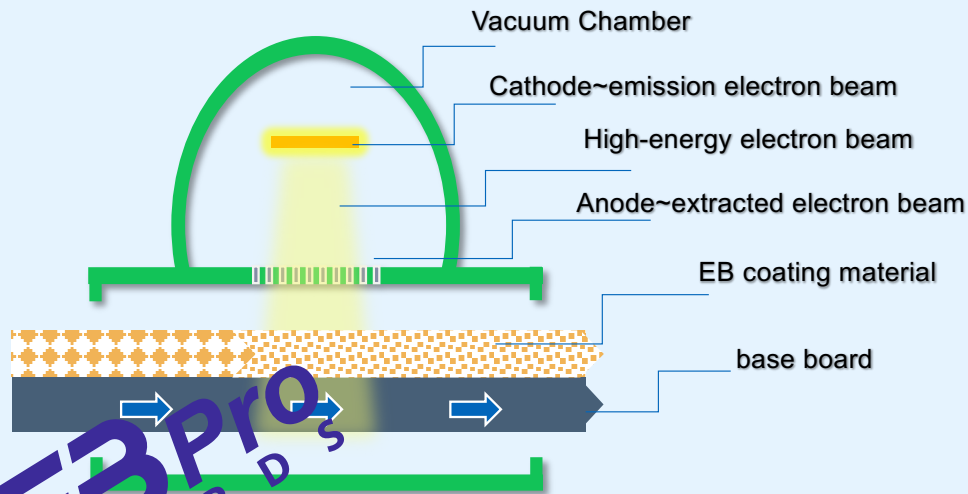
It is an environmentally friendly material. EB film/sheet comes out from extruded production line . The color master batch comes from **AVIENT**. Then we do EB coating onto the film/sheet. The finished products are called EB film/sheet.

EB

EB technology introduction

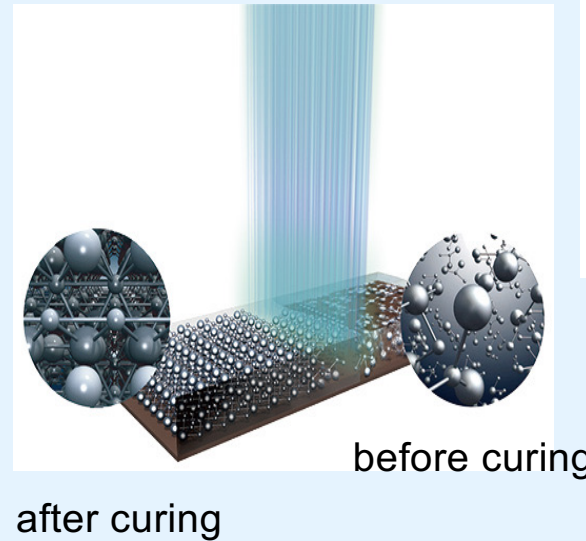
Electron Beam Curing

EB is short for electron beam curing. Electron acceleration produces a beam of high- energy electrons approximately equal to the beam of light-energy material, using a fast emitter to be processed the surface, forms a functional coating onto the polymer film/sheet , they are EB film / sheet.



Simulated simplified diagram

Electron Beam is Here!



Electron beam curing device

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How is EB film produced ?

The film or sheet is extruded from the extruding equipment , the film or the sheet comes four layers which is unique.



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Extruding equipment machine

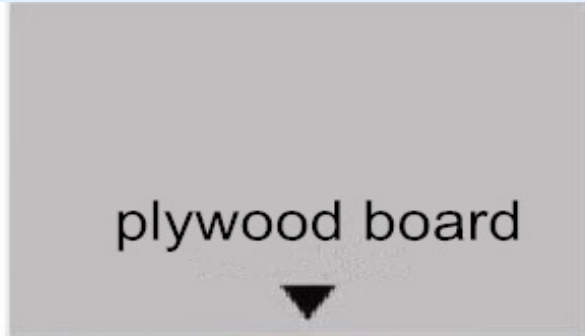
How is EB film produced ?

The extruded film or sheet is cured by the EB curing equipment machine, the finished product is called EB film or EB sheet.

EB curing process machine line



EB film / sheet suitable substrate boards



MDF board

Particle board

Plywood board

OSB board

PVC Foam board

other flat boards



Application

Furniture, kitchen cabinets, cabinet door panel, wardrobe door panel, bathroom cabinet, ecological door, wall panel, office furniture, commercial space, ETC.



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Customization
furniture

Commercial
space

houseboat

camper



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2

Product Parameter & structure

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Honorary Production by Zihua

EB film /sheet classification:



have issued 28 colors/designs for each series

more new color/designs will be issued





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EB film /sheet products photos

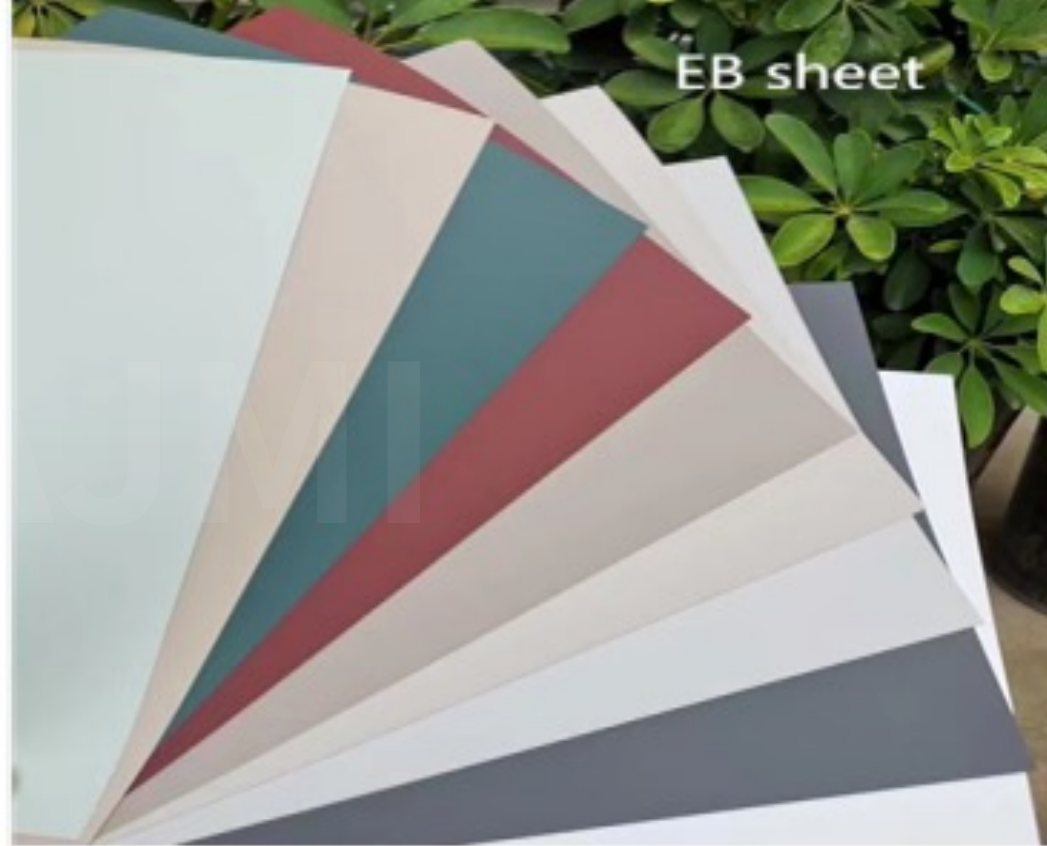


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EB film



EB sheet



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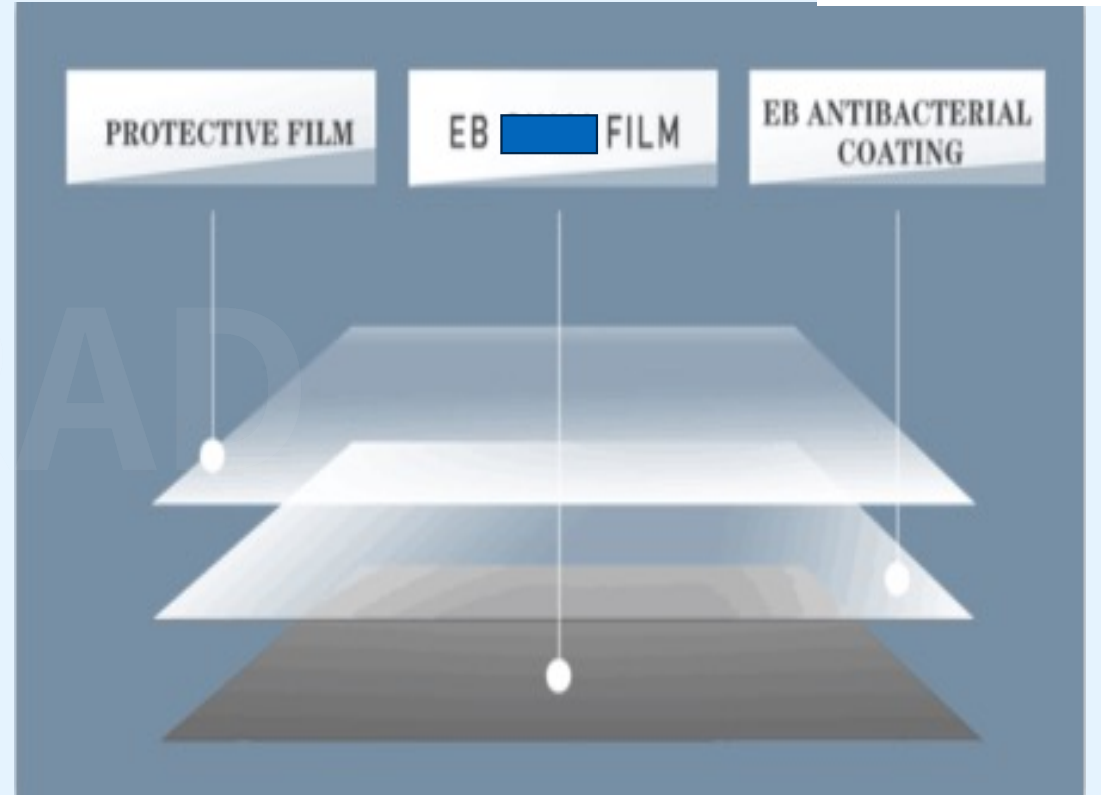
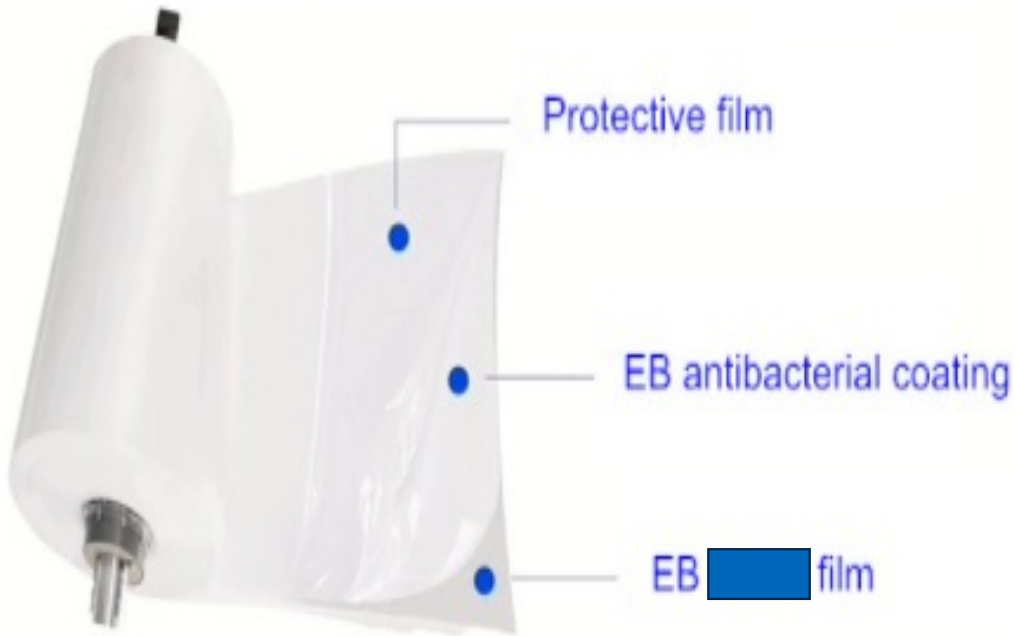
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The EB film /sheet structure chart



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Products structure



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3

Equipment
advantage

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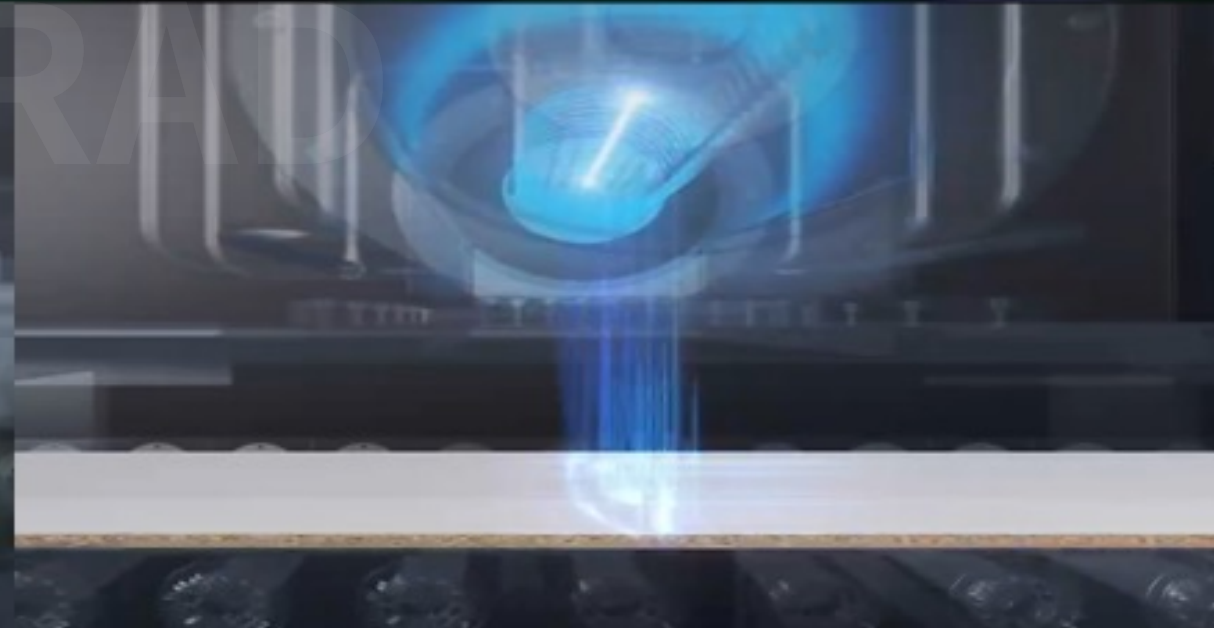
Curing rate reach 99.99%
5 ms instant cure finish
No VOC contamination
No heat effect
No need use solvent
No need photoinitiator

EB production equipment working principle



In a word : Complete reaction without residual excess substances, sufficient environmental protection

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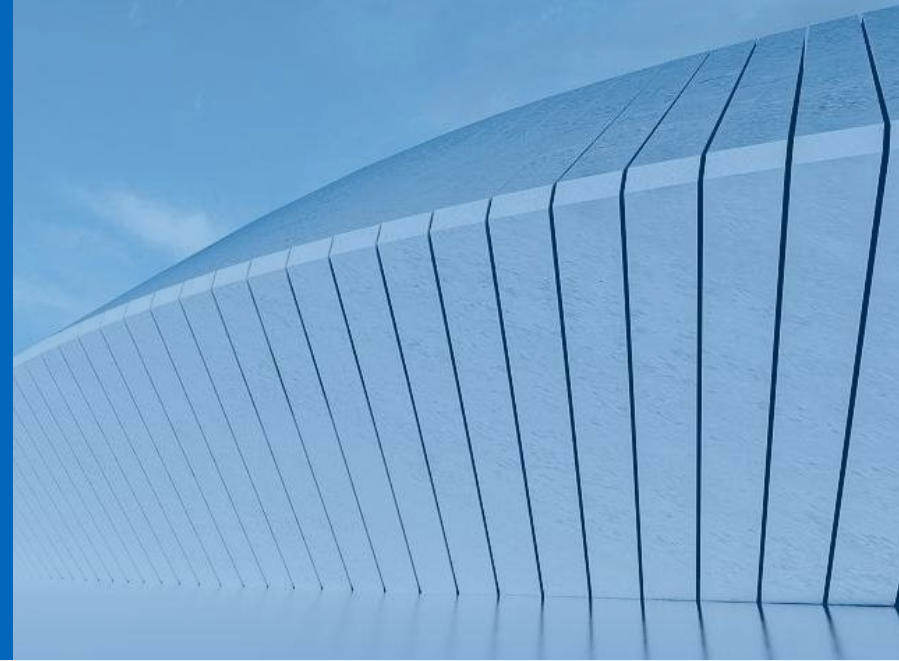


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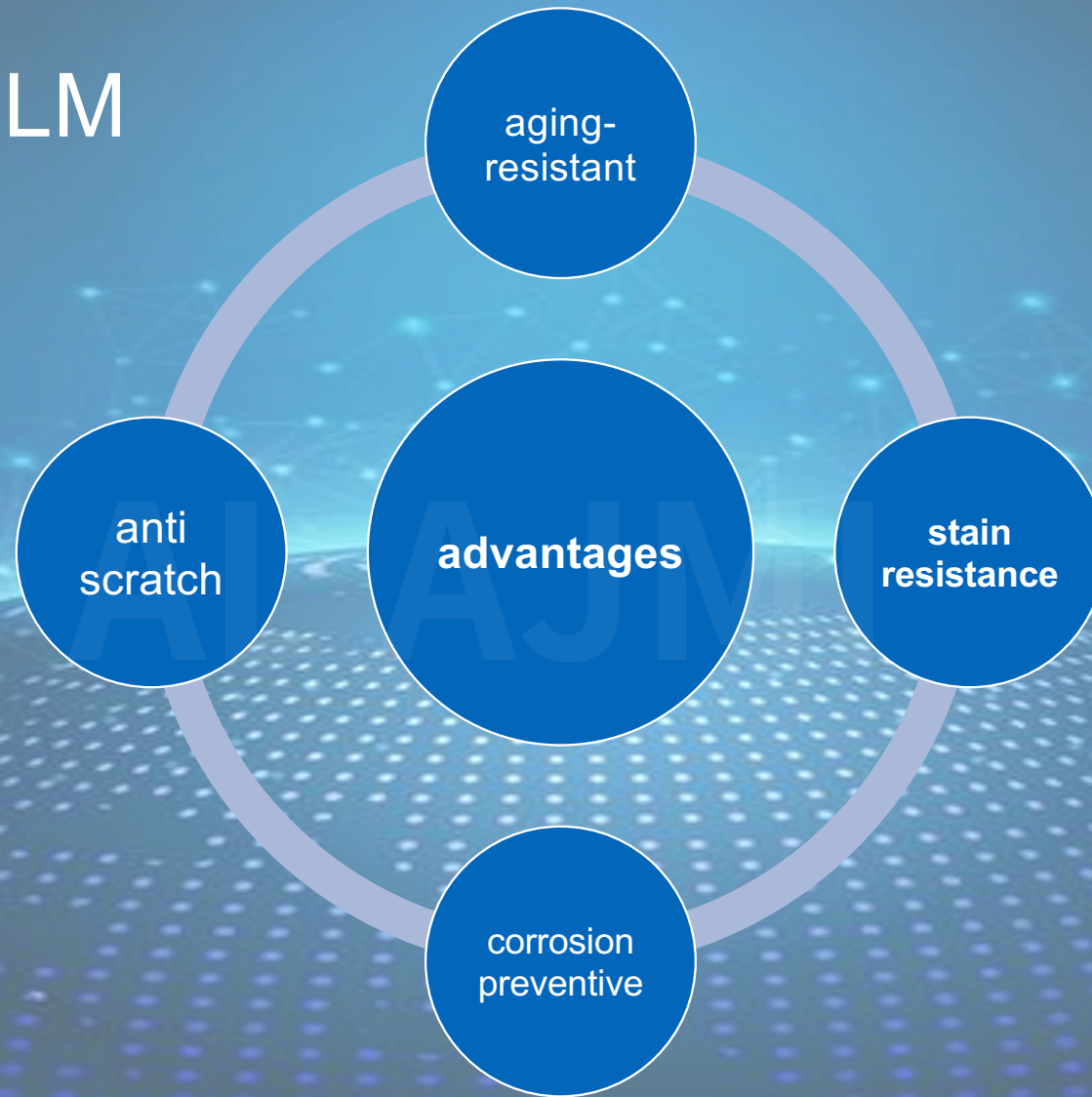
Products
advantages

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EBPro FILM



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Characteristic

Truth color

Anti fingerprint

Anti yellowing

Antibacterial function

Micro-scratches
thermal repair

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Environmental characteristics



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safe and
pollution-
free

No VOC emissions during
production process

PUR hot melt adhesive

friendly materials

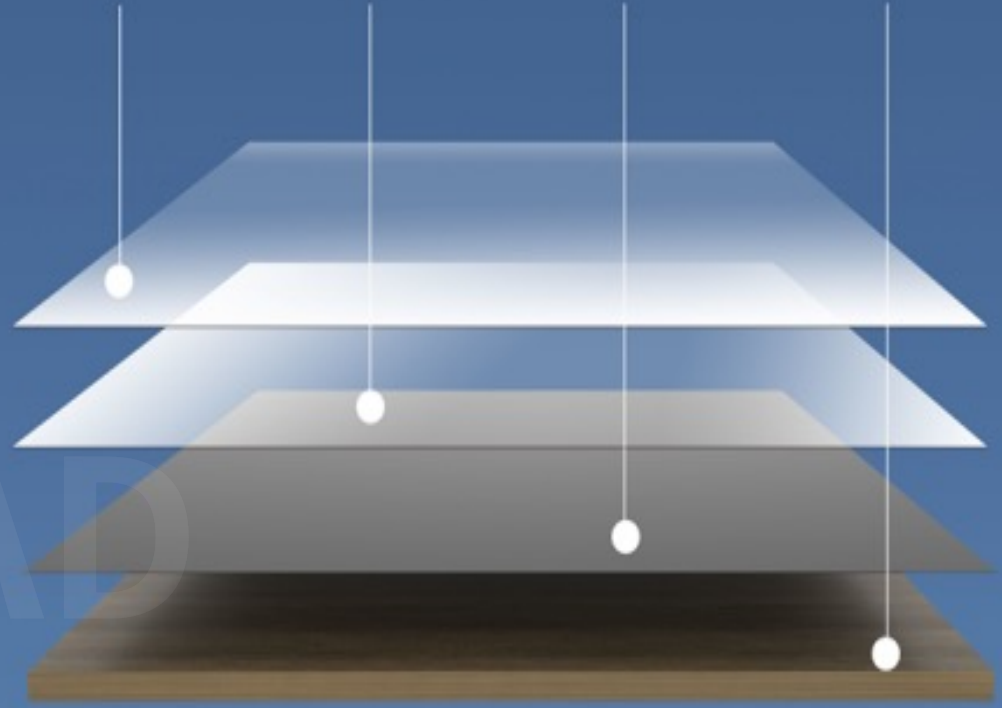
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Best board use best film

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protective film antibacterial EB coating EB film/sheet substrate board



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