

What's AR coated glass?

AR coated glass or AR coated Anti-Reflective Glass is also known as enhanced transmission glass or anti reflective glass.



The features of AR coated glass:

- The highest visible light transmittance is 99%, and the average visible light transmittance is over 95%, which greatly increases the original brightness of LCD and PDP and reduces energy consumption.
- The average reflectance is less than 4%, and the lowest value is less than 0.5%
- Resistant to ultraviolet rays, effectively protecting the eyes. The transmittance of the ultraviolet spectral region is greatly reduced, which can effectively prevent ultraviolet rays from harming the eyes.
- High temperature resistance, AR glass temperature >500 degrees (general acrylic can only withstand 80 degrees)
- The color is more beautiful and the contrast is stronger, which makes the image color contrast more intense and the scene clearer.
- The best scratch and abrasion resistance, AR glass film hardness is comparable to glass, greater than 7H, (generally PC board hardness is about 2H to 3H).
- It can withstand all kinds of cleaning agents to clean the acid and alkali cleaning agent, and the film layer is not damaged.
- Strong impact resistance, the impact performance of 3mm thick glass is equivalent to 6mm acrylic.
- The flatness of the AR glass surface is much better than the coating acrylic, and the larger the size, the more obvious the difference.



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- Maintaining the viewing angle, generally the angle of view of the acrylic will become smaller after installation; while the AR glass is installed, the viewing angle will not become smaller.
- The cold and hot deformation of AR glass can be almost omitted, and it is suitable for various environments. At the same time, AR glass has a glaze and looks more beautiful.

Main application



It is coated on the surface of ordinary tempered glass, which improves the light transmittance of the tempered glass surface and realizes easy-cleaning function. It also extends the life of the glass. AR coated glass can be mainly used in solar cell modules, light and heat, construction, automotive glass and other fields, glass greenhouse.

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Tags: **abrasion resistance**, **anti reflective glass**, **AR coated glass**, **AR coating**, **Glass greenhouse**, **impact resistance**, **light transmittance**, **tempered glass**



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About Morn Building Materials:

Morn Building Materials Co.,Ltd is trading company offering the right facade materials for a wide range of applications for architectural,design and system requirements.Cooperating with China premium glass fabricators,Morn is able to supply whatever glass products applied in facade,Spandrel ,roof ,handrail,partition,balustrade,canopy,greenhouse,sun room ,interior exterior application.

Other facade materials:Aluminium alloy profiles,aluminium plates,aluminium windows&doors,Assa Abloy hardware,spider fitting,railing systems,shower rooms,polyurethane panels,machines&tools,steel structure, are also available since 2019.

From aesthetics, to strict environmental and energy specifications, to critical budget and delivery requirements, our input can make a difference.

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