China manufacturer cut into size wholesale 4mm anti-reflective glass

What is anti-reflective glass?

Anti-reflective glass, also call AR glass, non-reflective glass, is adopting advanced magnetron sputtering vacuum coating technology, coating the Nano optics multilayer film on the glass surface, is better to reduce the glass self- reflective, improve the glass transmittance, no reflect and anti-giddy light, it makes image more clear with the strong light and improves the screen brightness to protect your eyes.

Anti-reflective glass advantage:

1, visible light transmittance highest peak 99%
2, the color is more beautiful, more contrast
3, anti-ultraviolet, effective protection of eyes
4, high temperature resistance
5, good scratch-resistant
6, can be resistant to a variety of cleaning agents
7, strong impact resistance
8, to protect the viewpoint
9, not easy to distort, appearance is more beautiful.

4mm Anti-reflective glass characteristic:

• Transmission rate is up to more than 96% (Max: 99.5%) from common glass 89%, and it's the world's most transparent glass.
• The average Visible light transmittance over 95%, good enhance the original brightness of PDP and LCD, significantly reducing power consumption

• Reflectivity from 8% of the common 3mm float glass, fell below 2% (Min: 0.2%), effectively weaken the defects caused by strong light behind the pictures, enjoy a more clear image quality.

• UV spectral transmittance < 3%, effectively block the ultraviolet ray harm to the eyes.

• Excellent scratch resistance and hardness≥7H, excellent environmental performance, pass the acid and alkali resistance, solvent resistance, temperature cycle, high temperature test, and membrane layer has no obvious change.

Anti-reflective glass specification:

Thickness: 1.8mm 2mm 3mm 4mm 5mm

Size: standard size of 1200mm*1600mm, Min: 200mm*200mm, any customized size could be produced.

Film structure: the AR coating could be single coating, double coating, produced as per customer's requirements, the more layer AR film, the higher light transmittance and lower reflection.

The performance data sheet of Anti- reflective glass

Parameters	Clear float glass	Single Sided with double AR coating	Double Sided with double AR coating	Double Sided with double AR coating
Color	transparency	bluish violet	natural color	natural color
Optical curve	---	V	W	W
Transmittance	≤86%	≥93%	≥94.5%	≥98%
Reflectivity (ultraviolet ray)	≥8.4%	≤5.2%	≤4.8%	≤ 1%
Application	low-end product	middle-end di splay panel	high-end display panel	high-end display panel
scratch resistance	≥8H			
abrasive resistance	Use eraser , under 250G pressure, 200 timnes, film no change			
moisture resistance	Fahrenheit120°±4°,24hour			
high-temperature resistance	650°C,Full toughened,Semi-tempered,film no change			
solubility	concentration50G/L-NaCl, 35°C, film no change			
acid resistance	concentration10%-HCL, indoor temperature,24hour, film no change			
Salt resistance	concentration10%-NaOH,60°C,5minutes, variation of transmissivity | ΔT | ≤4%			
ARglass sputtering vacuum coating	high transparency and beauty,low reflective, easy to clearn, non-ageing, nondeformable, Scratch Resistance, and other advantage.			

4mm non-reflective glass application:

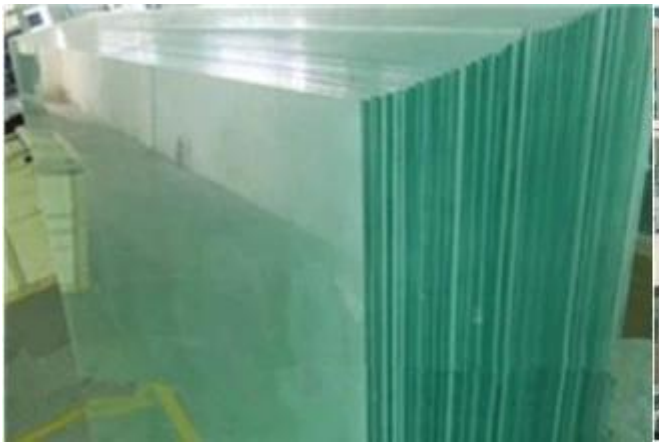
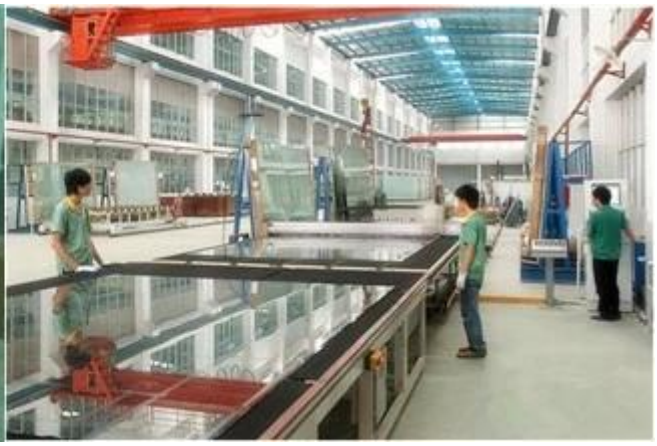
• Display device and screen protector like LCD TV, PDP TV, laptop and desktop computer monitor, instrument touch screen, video camera, exhibition cabinet, medical instrument, outdoor display screen, military display panel, etc.

• Photo and picture frames and other electronic products.
• Astronomical observation purposes, such as the telescope.

Anti-reflective glass Vs clear float glass

Anti-reflective glass application:

Non-reflection glass factory and production line:

Safety packing 4mm anti-reflective glass: