

BLACK GLASS

Black Glass is a Colored glass. In the transparent float glass raw materials add to the inorganic metal oxide coloring agent, the original colorless transparent glass into a dark black shiny low-transmittance transparent glass. Jing Glass is the Tempered Black Glass/ double glass china factory and supplier company.

Reference standard: ASTM E2190, DIN BS EN 1279-5:2005, JIS R 3209, GB/ T 11944

Performance of JingGlass Black Glass

1, The JG series of black-body bulk glass specifically developed for roofs, Wall and windows offers extremely high thermal insulation. About 10% of the visible light and solar energy transmittance, about 0.4 shading coefficient, as a roof and large windows can block more than 50% of the solar heat into the house, with very good energy-saving more.

2, Less than 2% UV transmittance, That can effectively blocking the ultraviolet light in the sun Indoor organic materials broken, to extend the life of a variety of furniture and accessories indoors.

3, Black is an old fashion color, pure and mysterious beauty, can never be replaced, black glass as a low-key and excellent family members in the glass, has always been the designer around the pursuit of good use of choice. And JG Black Glass has good privacy protection. You can see clearly from outside the house, but can hardly see anything from outside the house.



DESCRIPTION

Form of Supply

For Black Glass(double glazing), we can supply the round sheet, flat bar, plate, and square block. Glass Shape can be cutting to your required lengths and size as one offs or multiple cut pieces. Glass Panel sheet, Cured can be supplied, providing a quality precision finished bar to tight tolerances.

Applications of Black Glass double glazing

As a high quality Energy-saving glass, double glazing applied to windows glass, door, Curtain wall, Insulation room. And For buildings that require heating, air conditioning, protection against noise or condensation, and the need for direct sunlight and special light. Widely used in residential, restaurants, hotels, office buildings, schools, hospitals, shops and other occasions where the need for indoor air-conditioning. Can also be used for trains, cars, ships, freezers doors and windows, subway, and so on.



Supply Range of double Black Glass

Thickness of double glazing:

Maximum Size: Width 3300mm * Length 6500mm

Minimum Size: 500*700mm

Thickness: 2-19mm, special thickness, pls contact our sales-engineers

Spacer Thickness" 6mm, 9mm, 12mm, 15mm, 16mm, 19mm

Double Regular Size

5+9A+5 5+9A+5 low-e 5+9A+5 coated

5+12A+5 5+12A+5 low-e 5+12A+5 coated

5+16A+5 5+16A+5 low-e 5+16A+5 coated

5+20A+5 5+20A+5 low-e 5+20A+5 coated

5+24A+5 5+24A+5 low-e 5+24A+5 coated

6+12A+6 6+16A+6 low-e 6+12A+6 coated

6+24A+6 6+24A+6 low-e 6+24A+6 coated

5+12A+5+12A+5 5+12A+5+12A+5 low-e

Others have not specified size, pls contact our experienced sales team.

Tempered of Black Glass sheet for double glazing

First clear the float glass surface, Then Put into Tempering furnace ,Fast Heat to 600-630 °C, keep the temperature to heat thoroughly. Then Delivery the cool furnace, quick cool by the cool wind.

Different thickness glass, then heat time and cool speed is different.

Processing the Black Glass Tempering double glazing

We Provide the float glass cutting, Milled, polishing and make drill bar,drill hole, bending / Curved glass, Etc.

If you have any inquiry and problems, Please don't hesitate to discuss with us.

PERFORMANCE

Type	Thickness (mm)	Spectral characteristics (%) and test standards							Color requirements, scope and testing standards						
		LTA (Light transmittance)	TE (Solar direct transmittance)	TUV (UV- transmittance)	TIR (Near-infrared transmittance)	Upper surface reflectance(%)			Under surface reflectance(%)			L*	a*	b*	
		380nm-780nm	300nm-2500nm	300nm-380nm	780-2500nm	RE	RUV	RIR	RE	RUV	RIR	19310IE L*a*b* light source, Observer 2°			
ISO9050-2003															
Dark Black	8.0	3.44	3.91	1.00	3.31	3.56	3.95	3.42	4.22	5.62	3.84	21.94	-4.99	3.13	
	10.0	1.37	1.73	0.27	1.43	3.56	3.98	3.42	4.23	5.58	3.86	11.94	-4.41	2.83	
	12.0	0.56	0.72	0.05	0.46	3.57	3.99	3.43	4.29	5.54	3.94	5.14	-2.45	1.36	
	15.0	0.21	0.29	0.00	0.22	3.6	3.95	3.49	4.2	5.3	3.85	1.91	-0.82	0.26	
	19.0	0.03	0.06	0.00	0.08	3.42	3.74	3.32	3.99	4.96	3.66	0.31	-0.20	0.16	
Deviation range		±2	±3	±3	±3							ΔEab*≤2.5			
Physical properties	Density	Mons' hardness	Elastic Modulus	γbc	fcf=FL(bhh)										
	2.5g/cm ³	5.5-6.5	7.0±10 Mpa	800-900Mpa	70-90Mpa										
	Rm	Poisson ratio	CLTE	softening temperature	Thermal Conductivity										
	40-60Mpa	0.20-0.25	8.0-9.0x10 ⁻⁶ /°C	720-730°C	0.65Kcal/mh°C										



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