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Rider Glass

RIDER GLASS COMPANY LIMITED SINCE 1993



Rider Glass

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ENTERPRISE INTRODUCTION

China's most reputable glass supplier providing top services for more than 25year.

Our dedicated team of experienced sales professionals provides the essential support and after sales service necessary to ensure that all customer requirements, no matter how big or small, are met promptly and efficiently.

Dockside warehousing, in three of China's top five container ports, ensures convenient loading and rapid delivery of Rider Glass from stock.

Whether you require one container or a bulk shipment, Rider Glass devotes the same meticulous attention to detail in every order, thus ensuring that goods reach you in time and in excellent condition.

Rider Glass products are manufactured on 5 modern float lines in our joint-venture facilities accredited to AS/NZS 2208:1996 and CE certificates.

Rider Glass's product range has been expanded to provide customers with an even wider choice of quality products, thus making it even easier to purchase all your glass requirements from one supplier.

Rider Glass now supplies quality precuts to customers in over 100 countries throughout the world. Our global sales network covers the Middle East, the Indian sub-continent, Western and Eastern Europe, Russia, the Baltic States, Africa and the Americas.

Distributors, processors, architects and interior designers are certain to find Rider Glass products within these pages that meet their specific needs.

Whatever your requirements, large or small, Rider Glass is at your service.



Rider Glass

ENTERPRISE INTRODUCTION

01

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CLEAR FLOAT GLASS

Clear float glass is made of molten glass which flows through tweek to tin bath and then to lehr. While floating through the molten tin, the glass under the works of gravity and surface tension becomes smooth and flat at both sides.

Benefits:

Smooth and flat surface and good vision
Flexible size specifications to minimize cutting loss
Substrate for each level of glass processing

Applications:

Architecture
Mirror
Furniture and decoration
Optical instrument
Automobile



CLEAR FLOAT GLASS

Thickness mm	Tolerance mm	Weight		Max. Stock Size	
		kg/ft2	kg/m2	in.	mm
2	1.8~2.2	0.46	4.89	60x84	1524x2134
3	2.8~3.2	0.68	7.34	96x144	2440x3660
4	3.8~4.2	0.91	9.79	96x144	2440x3660
5	4.8~5.2	1.14	12.32	96x144	2440x3660
6	5.8~6.2	1.36	14.69	96x144	2440x3660
8	7.7~8.3	1.86	19.57	96x144	2440x3660
10	9.7~10.3	2.27	24.47	96x144	2440x3660
12	11.6~12.4	2.73	29.33	96x144	2440x3660
15	14.5~15.5	3.41	36.70	96x144	2440x3660
19	18.5~19.5	4.32	46.48	96x144	2440x3660

ULTRA CLEAR FLOAT GLASS

Ultra Clear float glass is also named low iron float glass. Normally it is a kind of plant glass with highly clear, highly transmittance, highly smooth. And it is a new type of deeply processed glass, also it is a new type advanced structural glass with environmental protection, economic on energy. The glass is lower iron float glass and be made by a special process. It is not like the clear float glass to sight like green, it looks just like colorless crystal, highly transmittance.

It is highly used in all kinds of constructions and decorations and the counter and display window exhibited by top-grade valuable products. The ultra clear float glass can be cut, holed and side-rubbed, and also can be tempered, laminated heat bented and so on. Besides it also can be coated, printed, and figured on the surface.

Specification:

Thickness: 3mm-19mm
Sizes: 1830x2440mm,
3300x2134mm,
3300x2250mm,
3660x2134mm,
3660x2250mm etc.



TINTED FLOAT GLASS

Body tinted or heat absorbing glasses are produced by the float process with the addition of small quantities of metal oxides to color the normal clear glass mix. This coloration is achieved through adding metal oxides at the smelting stage.

Addition of color does not affect the basic properties of the glass, even though visible light reflectance will be slightly higher than clear glass. The color density increases with thickness, whereas the visible transmittance decreases correspondingly as thickness increases.

Tinted glass reduces solar transmittance by absorbing a large proportion of the solar energy-the majority of which is subsequently dissipated to the outside by re-radiation and convection.

Rider Glass's range of vibrant colors blends in perfectly with any building facade and provides various degrees of solar control and energy reduction.

Our comprehensive range of soft natural colors compliments modern building materials to provide an exciting and different look to new and existing buildings.

Rider's tinted float standard production thickness includes 3,4,5,6mm, but is not limited to 8,10,12mm which we produce in many colors. Non-standard thickness can also be produced to order on request.

Our range of vibrant colors, excellent performance characteristics and post-production treatment possibilities, all make Rider tinted float glass the ideal choice for architects in any new construction or renovation project.

Specifications:

Colors: French Green, Dark Green, Euro Grey, Dark Grey, Light Blue, Lake Blue, Dark Blue, Royal Blue, Ocean Blue, Euro Bronze, Golden Bronze and Pink etc.

Thickness: 3mm to 12mm etc.

Sizes: 1524x2134mm, 1650x2140mm, 1650x2440mm, 1830x2440mm, 3210x2140mm, 3210x2250mm, 3300x2250mm, 3660x2134mm, 3660x2250mm etc.

Benefits:

Energy saving through good heat absorption and reflection which reduces the transmission of solar heat radiation

High value creation by color variety of building's exterior appearance
Substrate for each level of glass processing

Applications:

Architecture
Automobile
Furniture and decoration



TINTED FLOAT GLASS

Type of Float Glass		Light Transmittance tv(%)	Light Reflectance ρv(%)	Direct Solar Transmittance tE(%)	Direct Solar Reflectance ρE(%)	Total Solar Energy Transmittance g(%)	
CLEAR	4mm	89.40	8.50	82.10	7.80	84.70	
	6mm	88.30	8.20	78.10	7.30	81.90	
	8mm	87.40	8.30	74.60	7.20	79.30	
	10mm	86.30	8.30	73.00	7.20	78.10	
	12mm	84.70	7.60	66.90	6.40	73.80	
BRONZE	4mm	63.90	6.60	59.80	6.30	68.50	
	5mm	53.90	6.10	52.70	5.90	63.40	
	6mm	48.30	5.90	45.90	5.70	58.40	
	8mm	38.10	5.20	36.60	5.10	51.60	
DARK BLUE	10mm	29.60	5.30	28.90	5.10	45.90	
	4mm	49.90	5.80	64.60	6.50	72.10	
	5mm	44.50	5.70	60.90	6.40	69.30	
6mm	39.00	5.20	56.90	6.00	66.50		
	LAKE BLUE	4mm	64.70	6.80	57.40	6.30	66.80
		5mm	60.60	6.40	52.90	5.90	63.50
6mm		55.10	6.00	46.10	5.50	58.60	
8mm		47.20	5.80	38.50	5.30	53.00	
10mm		39.30	5.10	31.60	4.80	48.00	
DARK GREEN	4mm	68.80	6.90	55.40	5.90	65.40	
	5mm	64.70	6.70	50.30	5.90	61.60	
	6mm	60.10	6.20	44.30	5.30	57.30	
FRENCH GREEN	4mm	78.80	6.50	57.00	5.30	66.70	
	5mm	75.70	6.70	51.10	5.70	62.20	
	6mm	70.50	7.20	44.50	5.70	57.40	
	8mm	67.40	6.80	40.10	5.40	54.20	
	10mm	61.70	6.30	33.50	5.00	59.40	
	12mm	57.70	6.20	29.70	5.20	46.50	
MIST GREY	4mm	55.40	6.20	55.10	6.00	65.10	
	5mm	48.90	5.80	45.40	5.50	58.10	
	6mm	43.00	5.30	41.90	5.10	55.60	
	8mm	33.60	5.10	33.10	4.90	49.40	
	10mm	25.00	5.10	25.50	4.90	43.50	
PINK	4mm	78.80	7.70	78.30	7.40	82.00	
	5mm	76.00	7.30	76.30	7.10	80.60	
	6mm	72.00	7.10	72.60	7.00	77.90	

REFLECTIVE GLASS

Type of Reflective Glass	Light Transmittance tv(%)	Light Reflectance ρ^v (%)			Direct Solar Transmittance tE(%)	Direct Solar Reflectance ρ^E (%)		Total Solar Energy Transmittance g(%)—incidence on coating resp. glass	
		ρ^v_{10}	ρ^v_{20}	ρ^v_{50}		ρ^E_{10}	ρ^E_{50}	g(%)	g(%)
CLEAR	4mm	50.10	36.90	31.80	56.50	27.10	22.10	60.70	62.00
	6mm	41.70	44.50	38.00	49.40	32.20	25.60	54.10	55.90
DARK BLUE	4mm	29.10	34.20	14.10	46.10	24.90	16.00	53.60	55.90
	6mm	18.70	42.00	11.30	36.80	30.70	14.90	45.20	49.30
LAKE BLUE	4mm	29.50	46.70	24.40	34.60	33.50	17.70	42.80	46.90
	6mm	21.80	53.10	21.30	24.20	38.80	15.50	33.70	39.80
DARK GREEN	4mm	33.40	44.00	25.80	33.80	31.40	15.60	42.80	46.90
	6mm	25.10	50.40	23.10	24.30	36.50	13.00	34.40	40.50
FRENCH GREEN	4mm	33.60	48.70	34.00	31.00	34.90	19.50	39.80	43.80
	6mm	25.60	57.60	35.80	20.60	42.40	18.80	30.10	36.20
MIST GREY	4mm	29.70	39.00	16.20	37.00	28.10	13.00	46.00	49.90
	6mm	21.10	44.10	13.20	26.90	32.00	11.00	37.50	42.90
PINK	4mm	38.70	43.40	29.20	52.50	32.00	21.40	56.50	59.20
	6mm	30.40	51.10	29.00	45.30	37.30	21.20	49.80	53.90

The information contained in the abovetables is provided as a guide and the specification may vary from the indicated figures. The information contained herein does not imply any contractual obligation on the part of the supplier.

REFLECTIVE GLASS

With the increase in demand for better performing glass products, new technology has evolved that allows metallic coating to be applied to glass surfaces. The result is a range of glass products that offers the following benefits:

- 1) A wide choice of external appearance with varying degrees of reflectance.
- 2) Superior, all-around performance levels when compared to those of body tinted glass.
- 3) A multitude of combinations to satisfy specific aesthetic and performance requirements.

Where extra solar protection is required, Rider pyrolytic reflective coated glass offers the perfect solution.

Rider on-line pyrolytic reflective coated glass is produced using CVD technology (chemical vapor deposition) that creates a perfectly uniform layer of metal oxide chemically bonded to the surface of the glass. As this hard chemical layer fully bonds to the glass, the glass can be cut, bent, drilled, tempered, heat strengthened and laminated without affecting the coating.

Rider reflective float glass is available in a range of performances to meet most environmental requirements in terms of solar control, thermal comfort and energy conservation.

Benefits:

High energy saving
Filters glittering sunlight
Adding aesthetic senses to building appearance
Mirror effect

Specification:

Colors: Clear, Euro Bronze, Golden Bronze Mist Grey, Euro Grey, Dark Grey, French Green, Dark Green, Lake Blue, Dark Blue, Royal Blue, and Pink etc.

Thickness: 3mm, 4mm, 5mm, 5.5mm, 6mm etc.

Sizes: 1524x2134mm, 1650x2140mm, 1650x2440mm, 1830x2440mm, 3300x1900m, 3300x2134mm, 3300x2250mm, 3660x2134mm, 3660x2250mm etc.

Notice:

On the occasion of single glazing, the coating face should be toward inside.

On-line reflective glass can be bent or tempered after manufactured.



MIRROR

Rider mirrors add a feeling of depth to any room. Rider mirrors are available in either silver or aluminum backing to suit atmospheric conditions. High quality clear float and modern mirror equipment combine to produce competitively priced mirrors of exceptionally high quality. Rider mirrors are available in clear float and a wide range of colors. Mirrors can be supplied in stock sizes or can be cut and beveled to suit customer's needs.

Benefits:

Clear and exact images
The backing paint resists acid and moisture.

Applications:

Decoration and furniture
Rearview mirror for automobile

Specification:

Types: Sheet Mirror, Silver Mirror, Aluminum Mirror, Safety Mirror (CAT I and CAT II), Copper and Lead Free Mirror, Antique Mirror etc.

Colors: Clear, French Green, Dark Green, Euro Grey, Dark Green, Lake Blue, Dark Blue, Pink, Bronze etc.

Thickness: 1.3-6mm

Sizes: 1067x1830mm, 914x610mm, 1524x2134mm, 1830x2440mm, 3300x2134mm, 3300x2250mm, 1600x2400mm, 2140x3660mm, 2440x3660mm, 1605x2250mm, 1220x2440mm, 2140x3050mm, etc.



PAINTED GLASS

SPANDREL GLASS

Rider's frit coating fabricated spandrel glass is produced by applying finely ground, colored ceramic enamel frit to one side of the glass, then heating to 1150°C, permanently bonding the frit to the glass surface. The frit coating is durable, scratch-resistant, and fade-resistant.

Often used in double glazing, Rider's Spandrel is the perfect solution for architects who want to maintain the aesthetic beauty of commercial building facades while hiding unsightly structures such as concrete parts. Moreover, its light weight reduces buildings' structural loads on external facades, and its good heat insulation properties reduce air conditioning costs.

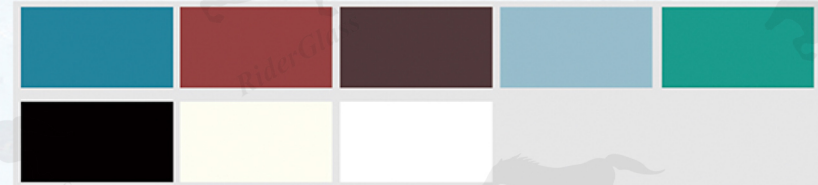
Specification:

Thickness: 3mm, 4mm, 5mm, 6mm etc.
Sizes: 1830x2440mm, 3300x2134mm etc.
Colors: Clear, Green, Grey, Milk, Red etc.

Applications:

External building facades
Interior glass partitions
Furniture
Art glass

Rider's spandrel glass is available in over 100 colors as per customer request.



TEMPERED GLASS

Tempered glass is produced by heating annealed glass in a furnace to 620°C. Progressing from the furnace, the glass is rapidly cooled with jets of cold air, inducing compressive stresses to the surface while the center remains tensile. The result is fully tempered glass 4-5 times stronger than annealed glass of equal thickness.

Rider's fully tempered glass offers customers the following safety characteristics:

- 4-5 times stronger than annealed glass of the same thickness.
 - Stronger resistance to thermal breakage than annealed or heat-strengthened glass.
- If breakage occurs, the glass breaks up into small, cubical fragments, which are not threatening to humans.

Ideal for areas with high wind loads and areas where human contact is an important consideration, Rider's tempered glass is the perfect option for architects who must meet building codes and safety requirements. Moreover, it is the only glass strong enough to withstand high levels of thermal stress, a common reason for breakage in building facade glazing units (see table below). These safety features also make it an exemplary choice for automotive applications. Guaranteeing quality, Rider applies heat soak testing to all of its tempered glass before packaging and loading. It is available in all of Rider's standard float thicknesses and sizes.

Commercial applications:













Storefronts
Frameless facades
Skylights
Railings

Residential applications:

Frameless doors
Shower enclosures
Table tops and furniture
Fireplace enclosures

Certificate: AS/NZS 2208:1996
EN 12150-2:2004

STANDARD EDGEWORK OPTIONS

 FLAT POLISH/GROUND AVAILABLE IN 1/8", 3/16", 1/4", 3/8", 1/2", 3/4"	 PENCIL POLISH/GROUND AVAILABLE IN 3/16", 1/4", 3/8", 1/2", 3/4"	 CHAMFER AVAILABLE IN 1/4", 3/8", 1/2", 3/4"	 BEVEL AVAILABLE IN 1/8", 3/16", 1/4", 3/8", 1/2", 3/4"
 DOUBLE BEVEL AVAILABLE IN 3/8", 1/2", 3/4"	 BEVEL BOTH SIDES AVAILABLE IN 3/8", 1/2", 3/4"	 OGEE AVAILABLE IN 1/2", 3/4"	 OGEE BEVEL AVAILABLE IN 1/2", 3/4"
 WATER FALL EDGE AVAILABLE IN 1/2"	 MITER EDGE AVAILABLE IN 1/4", 3/8", 1/2", 3/4"	 NO DRAWING AVAILABLE CLEAN CUT EDGES UNTREATED EDGE	 NO DRAWING AVAILABLE SEAMED EDGES SANDED EDGES TO REMOVE SHARPNESS

LAMINATED GLASS

Two layers of glass 'sandwiched' together with PVB (polyvinyl butyral) interlayer, laminated glass is the one glass that reconciles the aesthetic benefits of glass with a genuine concern for safety; offering superior protection against properties of the PVB, Rider takes careful precautions to prevent unwanted particles from attaching to the PVB during the adhesion process.

Benefits of laminated glass include:

- Holds together when shattered. The PVB interlayer keeps the glass bonded, even when broken, resulting in a characteristic spider web cracking pattern across the glass.
- Cyclone resistant
- Superior UV blockage (see chart on next page)
- Excellent sound damping properties (up to 40dB reduction)
- Low visible distortion



Applications:

residential applications

- Skylights
- Overhead glazings
- Shower screens
- Sliding doors

Automotive Applications:

- Windshields
- Security vehicles
- Airplane windows

Certificate:

AS/NZS 2208:1996
EN 14449:2006
EN ISO 12543:012

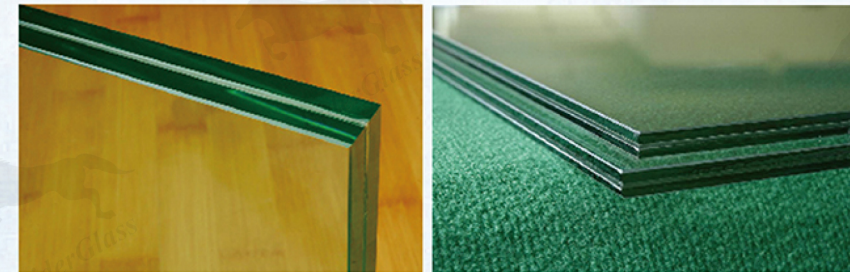
Commercial Applications:

- Building facades
- Store fronts
- Shopping centers
- Glazed areas around



Swimming:

- pools and gymnasiums
- Banks
 - Offices
 - Aquariums and zoos
 - Hospitals and schools



LOW-E GLASS

“Low-E Glass” refers to a series of high-performance, low-emissivity products manufactured by Rider Glass introducing state-of-the-art vacuum sputtering coating equipment. The vacuum sputtering process coats glass surfaces with several layers of different materials. Among these, a silver layer effectively reflects infrared rays while maintaining excellent thermal performance. Beneath the silver layer is an anti-reflective tin oxide (SnO₂) base layer that increases the transparency of the glass. Above the silver layer is an isolating nickel-chromium (NiCr) alloy coating. The main function of the top anti-reflective tin oxide (SnO₂) layer is to protect the other coating layers. This product offers the high transparency, low reflectivity, and good thermal insulating and energy-saving properties required of modern architectural glass and green building design.

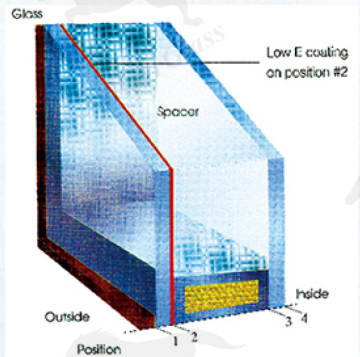
Benefits:

Approaches the natural color of glass
 Highly transparent to visible light (wavelength 380nm-78nm); will not produce significant glare problems caused by high reflectance of visible light
 Allows most sunlight in the visible range to enter without altering its natural color Provides excellent natural illumination and saves energy by reducing the need for artificial lighting
 Reflectively high reflectance of infrared radiation (wavelength 780nm-3,000nm) In particular, reflects nearly all long-wave infrared (wavelength greater than 3,000nm). Blocks the entrance of large amounts of heat, and leaves interior comfortably cool in summer and warm in winter.

Specifications:

Thickness: 3mm, 4mm, 5mm, 5.5mm, 6mm, 8mm, 10mm, 12mm etc.
 Max Size: 3000x8000mm

CONSTRUCTION OF LOW-E INSULATED GLASS



LOW-E INSULATED GLASS PERFORMANCE PARAMETERS

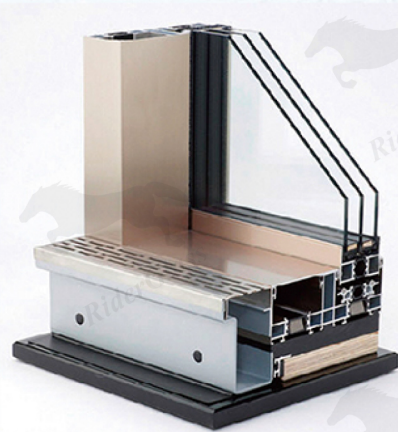
Film	Insulated Glass Unit	Glass Color	Reflect Color	Visible Light (%)			JGJ151		Ashrae USA				
				Transmissivity	Reflectivity		K Value (W/M ² *K)	S. C.	K Value Winter (W/M ² *K)	K Value Summer (W/M ² *K)	S. C.	G Value	Relative Heat Gain (W/M ² *K)
					Outdoor	Indoor							
RGTN180	5RGTN180#2+6A+5C	Clear	Neutral Color	73	10	11	2.47	0.69	2.50	2.54	0.67	0.59	445
	6RGTN180#2+9A+6C	Clear	Neutral Color	72	10	11	2.03	0.67	2.04	2.11	0.65	0.57	427
	6RGTN180#2+12A+6C	Clear	Neutral Color	72	10	11	1.85	0.67	1.85	1.85	0.65	0.56	424
	8RGTN180#2+12A+8C	Clear	Neutral Color	71	10	11	1.84	0.66	1.83	1.84	0.64	0.55	416
	10RGTN180#2+12A+10C	Clear	Neutral Color	69	10	11	1.82	0.63	1.82	1.83	0.61	0.53	399
RGTS140	5RGTS140#2+6A+5C	Clear	Silver Grey	36	29	9	2.44	0.37	2.47	2.50	0.37	0.32	249
	6RGTS140#2+9A+6C	Clear	Silver Grey	36	29	9	1.99	0.36	2.00	2.06	0.35	0.30	235
	6RGTS140#2+12A+6C	Clear	Silver Grey	36	29	9	1.81	0.35	1.80	1.80	0.34	0.30	229
	8RGTS140#2+12A+8C	Clear	Silver Grey	35	29	9	1.79	0.35	1.79	1.78	0.34	0.29	226
	10RGTS140#2+12A+10C	Clear	Silver Grey	34	28	9	1.78	0.34	1.77	1.77	0.33	0.28	220
RGTS150	5RGTS150#2+6A+5C	Clear	Silver Grey	45	29	12	2.41	0.43	2.44	2.47	0.41	0.36	280
	6RGTS150#2+9A+6C	Clear	Silver Grey	44	29	12	1.96	0.41	1.97	2.02	0.40	0.34	266
	6RGTS150#2+12A+6C	Clear	Silver Grey	44	29	12	1.77	0.41	1.76	1.75	0.39	0.34	260
	8RGTS150#2+12A+8C	Clear	Silver Grey	44	28	12	1.76	0.40	1.75	1.74	0.39	0.33	256
	10RGTS150#2+12A+10C	Clear	Silver Grey	43	28	12	1.74	0.39	1.74	1.72	0.37	0.32	249
RGTS160	5RGTS160#2+6A+5C	Clear	Light Grey	54	22	10	2.44	0.49	2.47	2.50	0.47	0.41	318
	5RGTS160#2+9A+6C	Clear	Light Grey	53	22	10	1.99	0.47	2.00	2.06	0.45	0.39	303
	6RGTS160#2+12A+6C	Clear	Light Grey	53	22	10	1.81	0.47	1.80	1.80	0.45	0.39	298
	8RGTS160#2+12A+8C	Clear	Light Grey	52	22	10	1.79	0.46	1.79	1.78	0.44	0.38	293
	10RGTS160#2+12A+10C	Clear	Light Grey	51	21	10	1.78	0.45	1.77	1.77	0.43	0.37	284
RGTG150	5RGTG150#2+6A+5C	Clear	Grey	45	22	9	2.45	0.45	2.48	2.51	0.43	0.38	293
	6RGTG150#2+9A+6C	Clear	Grey	44	22	8	2.01	0.43	2.02	2.08	0.41	0.36	277
	6RGTG150#2+12A+6C	Clear	Grey	44	22	8	1.83	0.42	1.82	1.82	0.41	0.35	271
	8RGTG150#2+12A+8C	Clear	Grey	44	22	8	1.81	0.42	1.81	1.81	0.40	0.35	267
	10RGTG150#2+12A+10C	Clear	Grey	43	21	8	1.79	0.40	1.79	1.79	0.39	0.34	259
RGTG141	5RGTG140#2+6A+5C	Clear	Yellowish Grey	36	25	10	2.45	0.36	2.48	2.51	0.35	0.31	242
	6RGTG140#2+9A+6C	Clear	Yellowish Grey	36	25	10	2.01	0.35	2.02	2.08	0.34	0.29	228
	6RGTG140#2+12A+6C	Clear	Yellowish Grey	36	25	10	1.83	0.34	1.82	1.82	0.33	0.29	222
	8RGTG140#2+12A+8C	Clear	Yellowish Grey	35	25	10	1.81	0.34	1.81	1.81	0.33	0.28	219
	10RGTG140#2+12A+10C	Clear	Yellowish Grey	34	24	10	1.79	0.33	1.79	1.79	0.32	0.28	214
RGTS240	6RGTS240#2+12A+6C	Green	Green	30	22	9	1.81	0.27	1.80	1.80	0.26	0.22	177
RGTN280	6RGTN280#2+12A+6C	Green	Green	61	8	11	1.85	0.46	1.85	1.85	0.43	0.38	288
RGTS250	6RGTS250#2+12A+6C	Green	Green	37	21	12	1.77	0.3	1.76	1.75	0.29	0.25	195
RGTS260	6RGTS260#2+12A+6C	Green	Green	44	16	10	1.81	0.34	1.81	1.80	0.34	0.30	230
RGTG250	6RGTS250#2+12A+6C	Green	Green	37	17	8	1.83	0.31	1.82	1.82	0.30	0.26	203
RGTG241	6RGTG241#2+12A+6C	Green	Green	30	19	10	1.83	0.27	1.82	1.82	0.26	0.22	176

INSULATED GLASS

Insulating glass is made by fusing together 2 panes of glass spaced by dry air, argon or other inert gases.



DISTINGUISHED TECHNIQUE FOR INSULATING GLASS PRODUCTION



Features:

Its excellent efficiency in solar heat insulation greatly reduces cooling loads. The dry air inside the enclosure renders the surface free from misting. More excellent efficiency will be if fill in argon or other inert gases.

Applications:

Building construction, architecture, train window, refrigerator etc.

Specification:

Air space gap:
6mm, 9mm, 12mm, 15mm, 16mm etc.
Max Size: 2700mm x 5000mm

Structure		Light Properties		Thermal Properties				U Value	
Coating on Pos. 2	Thickness	LT(%)	LR(Ext)%	DET(%)	ER(%)	SF(%)	SC	W/m ² -K Air	W/m ² -K Ar
RGPG	4-12-4mm	74	17	59	15	65	0.75	1.9	1.6
	5-12-5mm	73	17	57	14	64	0.74	1.9	1.6
	6-12-6mm	73	16	55	14	63	0.73	1.9	1.6
	6-15-6mm	73	16	55	14	63	0.73	1.9	1.7
	8-12-8mm	71	16	50	13	60	0.70	1.9	1.6
	8-15-8mm	71	16	50	13	60	0.70	1.9	1.6
RGSY48	5-12-5mm	47	9	32	9	42	0.48	2.2	2.0
	5-15-5mm	47	9	32	9	41	0.48	2.2	2.0
	6-12-6mm	47	9	31	9	41	0.48	2.2	2.0
	6-15-6mm	47	9	31	9	41	0.47	2.2	2.0
	8-9-8mm	45	9	29	9	41	0.47	2.4	2.1
	8-12-8mm	45	9	29	9	40	0.47	2.2	2.0
RGSY	8-15-8mm	45	9	29	9	40	0.46	2.2	2.0
	5-12-5mm	64	13	45	12	53	0.60	2.0	1.8
	5-15-5mm	64	13	45	12	52	0.60	2.0	1.8
	6-12-6mm	63	13	43	12	52	0.60	2.0	1.7
	6-15-6mm	63	13	43	12	52	0.59	2.0	1.8
	8-12-8mm	62	12	40	11	50	0.57	2.0	1.8
RGEA	8-15-8mm	62	12	40	11	50	0.57	2.0	1.8
	5-12-5mm	75	16	58	15	64	0.74	1.9	1.6
	6-12-6mm	75	16	55	14	63	0.72	1.9	1.6
	5-16-5mm	75	16	58	15	64	0.74	1.7	1.4
	6-16-6mm	75	16	55	14	63	0.72	1.7	1.4

PATTERNED GLASS

Patterned glass is made by patterned rollers which roll over glass plates whilst they are still hot and moldable. It not only provides function of visual screen but also creates aesthetic senses of changing lights and shades.

Benefits:

Numerous patterns are available to meet the needs of decorations. The patterns are able to soften the light in a space and, at a suitable angle, to curtain the visibility through it.

Application:

Furniture & show shelves
Areas where visual screen is required, like bathrooms, doors and windows.
Decorative illuminations

Specifications:

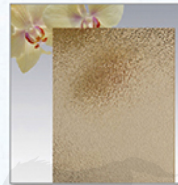
Thickness: 3mm to 8mm
Sizes: 1220x1830mm, 1500x2000mm, 1524x2134mm, 1830x2440mm, 2000x2500mm, etc.

Patterns: Nashiji, Flora, Mayflower, Karatachi, Bamboo, Aqualite, Beehive, Chinchilla, Crystal, Diamond, Masterlinge, Mistlite, Moru, Raindown, Wanji, Wired Nashiji, etc.

Colors: Clear, Grey, Blue, Bronze Green, Amber.



Grey Morgan-II Glass



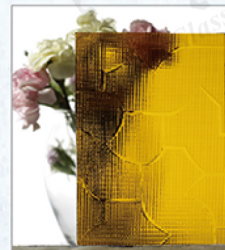
Bronze Nashiji Glass



Blue Nashiji Glass



Green Mayflower Glass



Amber Karatachi Glass

LOUVER GLASS

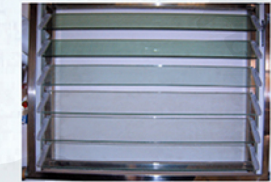
Glass louvers that overlap one another form the panes of a jalousie window. Operated with a crank or turn-screw, the glass louvers tilt to open, permitting air flow. Besides the fact that they do not obstruct the view, their biggest advantage is they allow ventilation. A wall of jalousie windows can be opened to let breezes flow, making the indoors feel like outside. Rooms can enjoy excellent lighting, even when the louvers are closed. Speed, direction and scope of ventilation can be easily adjusted.

A louver window:

Is a window which consists of parallel glass, acrylic, or wooden louvers set in a frame. The louvers are locked together onto a track, so that they may be tilted open and shut in unison, to control airflow through the window.

Jalousie windows are best-suited for porches that are not climate-controlled and are in mild-winter climates. They have the advantage that they can remain open during heavy rains and yet (because the glass louvers protrude outward) keep most of the rain from entering in through the windows (another reason for their popularity in these warm, wet climates)

They are also called jalousie /slated/glass crank out windows in certain legal circles; louver windows with extremely wide louvered panes (e.g. over six inches) are frequently called awning windows. Rider Louver Glass is available in clear patterned glass, colored patterned glass, sheet glass, float glass with dimension in inch 4*24,4*30,4*36,6*24,6*30,6*36.



SAFETY DELIVERY

Glass usually be packed by standard wooden crates and end-cap wooden cases outside, moisture-proof paper interleaved between every two pieces of glass inside. Wooden crates with fumigation are available as per customers' requirement. Rider Glass have a well trained packing team which is experienced in loading and reinforcing the glass properly in the container. The packing can prevent possible breakage on the road of long distance or ocean transportation.



1. Wooden crates. Fastness, burliness, easy and security to put and fetch pieces, every box is loaded around 2.5 tons. It is applicable in the area of loading and discharge equipment imperfect, manpower charges lower.

2. End Cap wooden cases. Beautiful appearance, opening convenience, saving timber, every box is loaded with around 2 tons. It is applicable the area in mechanization degree high, man power cost higher.

3. Moisture-proof paper and plastic film. There are preventing mildew paper between every two pieces of glass mirror, every box inner side is closed completely with plastic film, it can prevent water and mildew.
4. Metal band. The wooden boxes were fastened by high quality metal band outside; it is safe in loading and discharge, applicable train, container and cargo vessel.

GP Container Loading



OT Container Loading



Bulk Shipment Loading



QUALITY CERTIFICATE



STANDARDSMARK LICENCE

SAI Global hereby grants:
Rider Glass Company Limited
 22nd Floor, Yingdehong Tower, No.15 West Donghai Road, Qingdao, China

StandardsMark Licence
 Manufactured by:
ASNZS 2208:1996 - Safety glazing materials in buildings

The StandardsMark Licencee's right to use the STANDARDSMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licencee or on behalf of the Licencee and which comply with the appropriate Standard referred to above at the time to be awarded. The Licence is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The Licencee consents to comply with the Rules and Terms and Conditions.
 Certificate No: SAI04195

Issued: 17 January 2019 Originally Certified: 8 November 2013
 Expires: 7 November 2023 Current Certification: 9 January 2019

K. J. J.
 Kevin Goodwin
 General Manager Technical Services
 SAI Global Assurance



SCHEDULE TO STANDARDSMARK LICENCE

SAI Global hereby grants:
Rider Glass Company Limited
 22nd Floor, Yingdehong Tower, No.15 West Donghai Road, Qingdao, China


StandardsMark Licence
 Manufactured by:
ASNZS 2208:1996 - Safety glazing materials in buildings

Major distribution of the goods on which the STANDARDSMARK may be used:

Description	Type of Safety Glass	Glass Thickness (mm)	Colours	Date Endorsed
Foat Glass	Laminated	6 - 24	Clear, Bronze	11 May 2015
Foat Glass	Laminated	6 - 12	Clear, Bronze	11 May 2015
Foat Glass	Toughened Laminated	6 - 24	Clear, Bronze	11 May 2015

End of Report

Certificate No: SAI04195 Issued Date: 17 January 2019



Certificate of Compliance

No. 20180604.RGU046

Certificate's Holder: Rider Glass Company Limited
 22d, Yingdehong Tower, No.15 West of Dong Hai Road, Qingdao, China.

Certification ECM Mark: 

Product: FLOAT GLASS
Model(s): 1mm, 1.5mm, 1.6mm, 1.8mm, 2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, 19mm

Verification to: Standard: EN 572-1, EN 572-2
 related to CE Directive(s): R 305/2011 (Regulation for the Marketing of Construction Products)

Remarks: The product(s) has been verified on a voluntary basis. The product(s) fulfills the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) according to the ECM regulation about its release and its use. The regulation can be found at www.enfocem.eu. This Certificate of Compliance can be checked for validity at www.enfocem.eu.
 This verification doesn't imply assessment of the production of the product(s).
 Additional information, clarification about the CE marking:
 The affixed mark is CE for the CE marking process is in place. Whereas, the manufacturer is responsible to start the CE marking Certification Procedure through an appointed notified body and the perform of the necessary activities, as required by the Directive and accepted by the Notified Body, before placing the CE Mark on the product(s).
 Date of issue 04 June 2018 Expiry date 03 June 2023

CE

Chief Manager Deputy Manager
 

Enfo Certificatione Macchine Srl
 Via C/o' Bello, 243 - Loc. Cappello di Senovalle - 40053 Volturno (BO) - ITALY
 ☎ +39 051 4705141 ☎ +39 051 4705154 ✉ info@enfocem.it ✉ www.enfocem.it

Certificate of Compliance

No. 20180604.RGU047

Certificate's Holder: Rider Glass Company Limited
 22d, Yingdehong Tower, No.15 West of Dong Hai Road, Qingdao, China.

Certification ECM Mark: 

Product: TEMPERED GLASS / TOUGHENED GLASS
Model(s): 3mm, 3.2mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, 19mm

Verification to: Standard: EN 12150-2:2004
 related to CE Directive(s): R 305/2011 (Regulation for the Marketing of Construction Products)

Remarks: The product(s) has been verified on a voluntary basis. The product(s) fulfills the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) according to the ECM regulation about its release and its use. The regulation can be found at www.enfocem.eu. This Certificate of Compliance can be checked for validity at www.enfocem.eu.
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IKATES, s.r.o.
 Tolstého 186, 415 03 Teplice, Czech Republic
 Company ID: 25032836

CERTIFICATION BODY

ISSUES

CERTIFICATE OF CONFORMITY

No. CQ-33/2018

TO THE APPLICANT: RIDER GLASS COMPANY LIMITED
 22D, YINGDELONG TOWER, NO.15 WEST OF DONG HAI ROAD, QINGDAO, CHINA

FOR THE PRODUCT: Laminated glass

PRODUCER: RIDER GLASS COMPANY LIMITED
 22D, YINGDELONG TOWER, NO.15 WEST OF DONG HAI ROAD, QINGDAO, CHINA

CONCLUSION / CLASSIFICATION:
 The stated products are in parameters:
 - Humidity test with condensation
 - High temperature test
 - Radiation test
 in compliance with requirements of the standard:
 ČSN EN 1449:2006 Glass in building - Laminated glass and laminated safety glass - Evaluation of conformity/Product standard
 ČSN EN ISO 12543:2012 Glass in building - Laminated glass and laminated safety glass - Part 3: Laminated glass
 Mentioned parameters were tested acc. to:
 ČSN EN ISO 12543:2011 Glass in building - Laminated glass and laminated safety glass - Part 4: Test methods for durability

Certificate has been issued on the basis of the Test Report No. 1812018 of the testing laboratory No.1139 IKATES, s.r.o. (notified) appointed by CIA. Rules for the use of certificate are adduced on the other side of this certificate.

Date of issue: October 11th, 2018 Libomír Holíčka
 Validity till: October 11th, 2021 Manager of the Certification Body

IKATES, s.r.o.
 Tolstého 186, 415 03 Teplice, Czech Republic
 Company ID: 25032836

CERTIFICATION BODY

ISSUES

CERTIFICATE OF CONFORMITY

No. CQ-42/2018

TO THE APPLICANT: RIDER GLASS COMPANY LIMITED
 22D, YINGDELONG TOWER, NO.15 WEST OF DONG HAI ROAD, QINGDAO, CHINA

FOR THE PRODUCT: Mirrors (Identification)

PRODUCER: RIDER GLASS COMPANY LIMITED
 22D, YINGDELONG TOWER, NO.15 WEST OF DONG HAI ROAD, QINGDAO, CHINA

CONCLUSION / CLASSIFICATION:
 Specified products are in accordance with requirements of the standard:
 ČSN EN 1836 Glass in building - Mirrors from silver coated float glass for internal use
 Part 1 (2009): Definitions, requirements and test methods
 Part 2 (2009): Evaluation of conformity/Product standard

In parameters:
 spot and surface faults, edge quality, optical faults, reflective and protective coating defects, condensation water test in constant atmosphere, vertical salt spray test, copper accelerated salt spray test, thickness, varnish adhesion and light reflectance

Certificate has been issued on the basis of the Test Report No. 180/2018 of the testing laboratory IKATES, s.r.o., Teplice, accredited by Czech Accreditation Institute. Rules for the use of certificate are adduced on the other side of this certificate.

Date of issue: December 19th, 2018 Libomír Holíčka
 Validity till: December 19th, 2021 Manager of the Certification Body