

■ PYROLYTIC IGU

Product	Visible Light(%)			Solar Direct%		Solar Heat Gain Coefficient SHGC	Shading Coefficient S.C.	NFRC U Value W/(m ² · K)		European U-Value W/(m ² · K) EN 673
	Transmittance	Reflectance (out door)	Reflectance (in door)	Transmittance	Reflectance (out door)			Summer	Winter	
6SC60(2#)+12A+6YEA (4#)	51	12	20	40	13	0.50	0.58	1.45	1.54	1.6
6SFC(2#)+12A+6YEA (4#)	57	14	18	28	9	0.36	0.41	1.40	1.49	1.6
6YEA(2#)+12A+6YEA (4#)	69	18	19	49	16	0.58	0.67	1.37	1.46	1.6
6YEA(2#)+12A+6SC60 (4#)	51	16	17	40	15	0.56	0.64	1.45	1.52	1.6
6YEA(2#)+12A+6SFC (4#)	57	17	15	27	14	0.52	0.60	1.40	1.48	1.6

PROJECTS



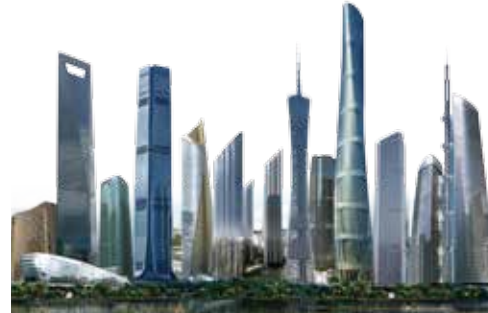
Chongqing Lifan Center



Zaishuiyifang, Qinhuangdao



Bank of Chongqing



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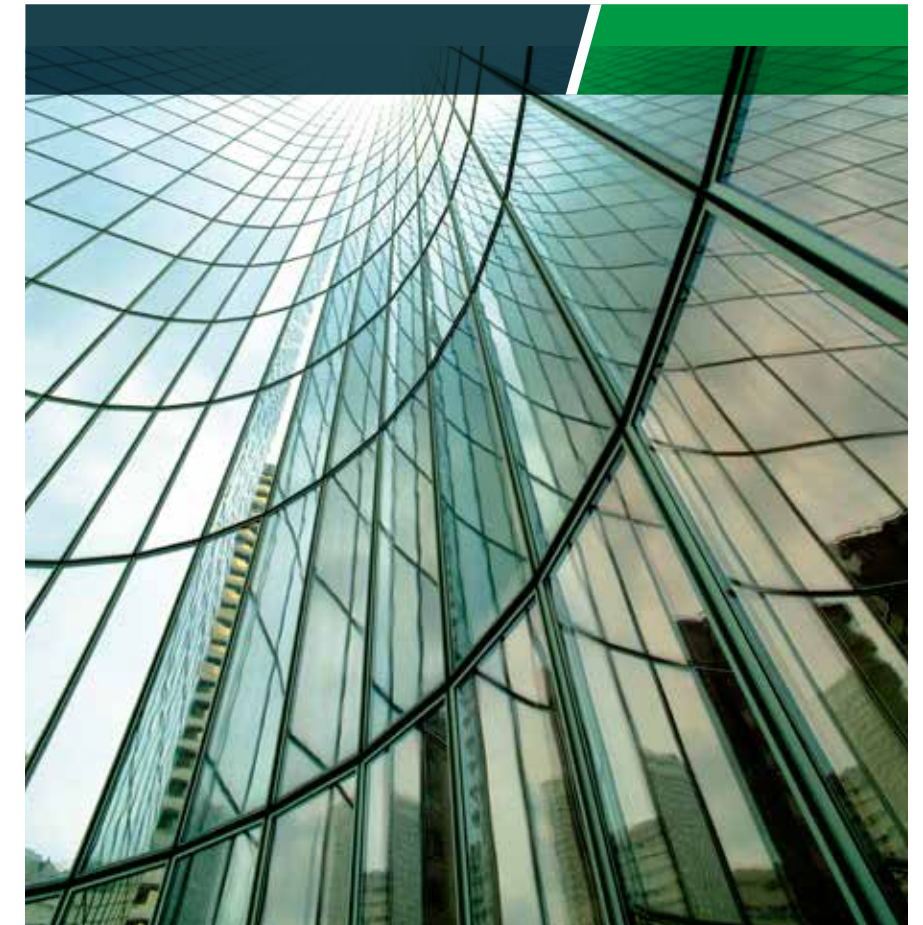
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HIGH VALUE-ADDED PRODUCTS

SYP GLASS GROUP

— SUPER ENERGY SAVING INSULATED GLASS UNIT



SYP GLASS GROUP

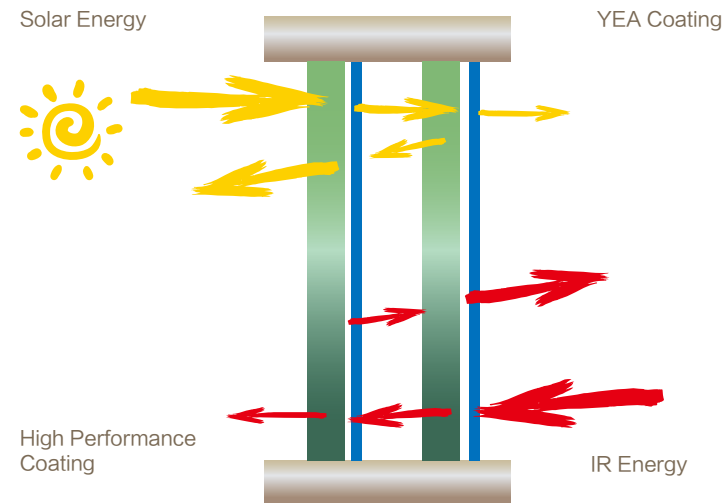
— SUPER ENERGY SAVING INSULATED GLASS UNIT



PRODUCT DESCRIPTION

SYP super energy saving insulated glass unit is a kind of newly developed energy saving IGU product with optimized heat insulation performance which is made up by vacuum magnetron sputtering coated low-E glass(soft Low-E coating) and pyrolytic low-E coated glass(hard Low-E), combining them effectively to make full use of the two kind of low-E coating advantage. In this product, the film of hard low-E coating is designed facing the interior side with the advantage of superior adhesion, weather-proof and abrasion resistance, directly reflecting the infra-red radiation from inside. It decreases the U value by at least 15% when comparing with the same configuration of double silver low-E coating or triple silver low-E coating insulating glass. Meanwhile, it fully arouse soft low-E glass in high performance and abundant colors.. The super energy saving insulated glass unit is applicable under any weather condition, meeting different demand of visual transmittance, visual reflectance and solar shading performance by different soft low-e type and limitless color selection.

PRINCIPLE DIAGRAM



PRODUCT PARAMETERS

■ HIGH PERFORMANCE LOW-E IGU

Product	Visible Light(%)			Solar Direct%		Solar Heat Gain Coefficient SHGC	Shading Coefficient SC	NFRC U Value W/(m2 · K)		European U-Value W/(m2 · K) EN 673
	Transmittance	Reflectance (outdoor)	Reflectance (indoor)	Transmittance	Reflectance (outdoor)			Summer	Winter	
6YNE0175(2#)+12A+6+12A+6C	60	15	18	30	32	0.36	0.41	1.30	1.26	1.3
6YDE0170T(2#,HS)+12A+6+12A+6C	60	15	19	28	32	0.33	0.38	1.26	1.23	1.2
6YNE0168J(2#)+12A+6+12A+6C	54	17	21	26	35	0.31	0.36	1.26	1.23	1.2
6YNE0175(2#)+12A+6YEA(4#)	62	12	15	32	31	0.37	0.43	1.24	1.34	1.4
6YDE0170T(2#,HS)+12A+6YEA(4#)	62	12	16	29	31	0.34	0.40	1.20	1.31	1.3
6YNE0168J(2#)+12A+6YEA(4#)	56	15	18	27	34	0.32	0.37	1.19	1.30	1.3

■ LOW-E IGU

Product	Visible Light(%)			Solar Direct%		Solar Heat Gain Coefficient SHGC	Shading Coefficient S.C.	NFRC U Value W/(m2 · K)		European U-Value W/(m2 · K) EN 673
	Transmittance	Reflectance (outdoor)	Reflectance (indoor)	Transmittance	Reflectance (outdoor)			Summer	Winter	
6YBE0180(2#)+12A+6C+12A+6C	64	15	18	41	20	0.51	0.58	1.42	1.34	1.4
6YME0185(2#)+12A+6C+12A+6C	69	16	17	40	25	0.49	0.56	1.35	1.29	1.3
6YRE0152(2#)+12A+6C+12A+6C	43	33	21	23	36	0.29	0.34	1.32	1.27	1.3
6YRE0146(2#)+12A+6C+12A+6C	37	35	19	20	38	0.26	0.30	1.32	1.27	1.3
6YRE0152N(2#)(HS)+12A+6C+12A+6C	42	31	18	24	33	0.31	0.35	1.39	1.32	1.3
6YRE0146N(2#)(HS)+12A+6C+12A+6C	39	30	17	23	33	0.30	0.34	1.35	1.29	1.3
6YBE0160N(2#)(HS)+12A+6C+12A+6C	48	17	17	29	21	0.38	0.43	1.43	1.35	1.4
6YBE0152N(2#)(HS)+12A+6C+12A+6C	41	22	16	25	25	0.33	0.38	1.39	1.32	1.3
6YBE0180(2#)+12A+6YEA (4#)	66	12	15	43	18	0.52	0.60	1.34	1.44	1.5
6YME0185(2#)+12A+6YEA (4#)	71	13	14	43	23	0.50	0.58	1.28	1.38	1.4
6YRE0152(2#)+12A+6YEA (4#)	44	32	18	25	36	0.30	0.35	1.25	1.36	1.4
6YRE0146(2#)+12A+6YEA (4#)	39	34	16	21	38	0.27	0.31	1.25	1.36	1.4
6YRE0152N(2#)(HS)+12A+6YEA (4#)	43	30	15	25	32	0.32	0.36	1.31	1.41	1.5
6YRE0146N(2#)(HS)+12A+6YEA (4#)	40	29	13	24	33	0.30	0.35	1.28	1.38	1.5
6YBE0160N(2#)(HS)+12A+6YEA (4#)	49	16	14	33	20	0.40	0.46	1.35	1.45	1.5
6YBE0152N(2#)(HS)+12A+6YEA (4#)	42	21	13	27	25	0.35	0.40	1.32	1.41	1.5

PRODUCT FEATURES

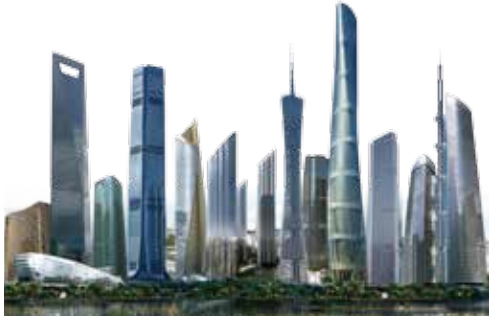
1. The heat transfer coefficient(U value) could be reduced by at least 15% of double low-e coating or triple low-e coating, which means when the indoor and outdoor temperature difference reaches 20℃, each apartment with 100m2 construction area could save at least 1000 Kwhr electricity.
2. The optimized combination of hard low-E coating and soft low-E coating with different performance and color series can meet various demands of weather condition and aesthetic appearance .
3. While satisfying the same heat insulation and energy saving requirement, super energy saving insulated glass unit can replace the double insulated glass unit to minimize the material quantity and then make the weight of glazing structure the lightest.

PATENT CERTIFICATE



MAKE A DIFFERENCE
STRIVE FOR EXCELLENCE

 耀皮玻璃集团
Shanghai Yaohua Pilkington Glass Group Co.,Ltd.



HIGH VALUE-ADDED PRODUCTS

SYP GLASS GROUP

— JUMBO SIZE FLAT (BENT) TEMPERED GLASS



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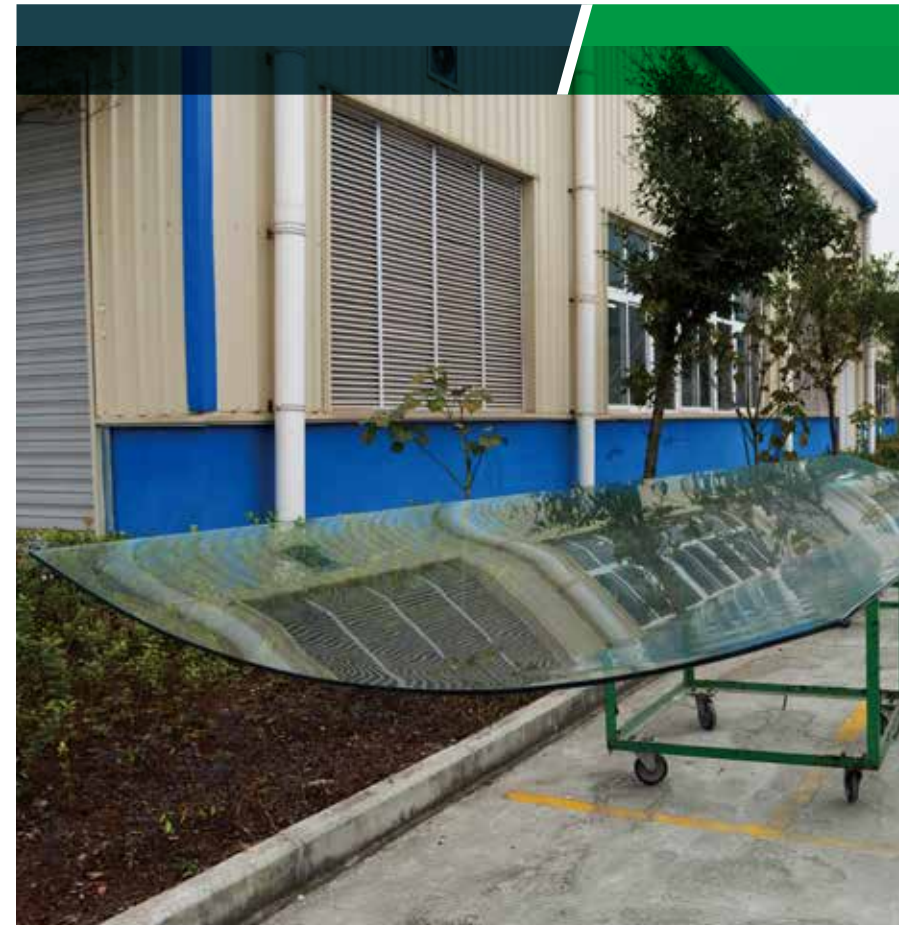
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SYP GLASS GROUP

— JUMBO SIZE FLAT (BENT) TEMPERED GLASS

PRODUCT DESCRIPTION

Thanks to the advanced super-long Dual-chamber forced convection glass tempering furnace, and the technical development by itself, SYP Group introduced super-long flat(Bent) tempered glass. With the capability to process over 14 meters flat(bent) heavy glass, SYP Group can satisfy the special requirements of super long jumbo sizes tempered glass from customers.



PROCESSED SIZE

PRODUCT FEATURES

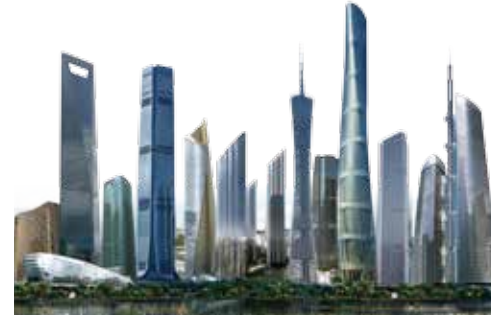
1. Compare with traditional radiation heating method, SYP group introduces forced convection tempering furnace to make the temperature of chamber more stable and controllable, so tempered glass will be more flat and has low spontaneous breakage as equal temperature on top and bottom surface.
2. Available to process over 14 meters flat(bent) heavy glass.
3. Available to satisfy the jumbo size demands of modern construction safety glass.

Flat Tempered Glass			Bent Tempered Glass		
Thickness	Size(Max)	Remark	Size(Max)	Range(R)	Remark
4mm	2100*3000	FT/HT	3000*1600(Curve)	750-25000	HT
5mm	3000*5000	FT/HT	3000*1600(Curve)	750-25000	FT/HT
		FT/HT	3000*3000	1500-25000	HT
		FT/HT	4000*2000(Curve)	1500-14000	HT
6mm	3000*5000	FT/HT	3000*1600(Curve)	750-25000	FT/HT
		FT/HT	3000*3000	1500-25000	FT/HT
		FT/HT	4000*2000(Curve)	1500-14000	HT
8mm	3000*5000	FT/HT	3000*1600(Curve)	1000-25000	FT/HT
		FT/HT	3000*3000	1500-25000	FT/HT
		FT/HT	14000*2000(Curve)	1500-14000	HT
10mm	2400*14000	FT/HT	3000*1600(Curve)	1000-25000	FT/HT
		FT/HT	3000*3000	1500-25000	FT/HT
		FT/HT	14000*2000(Curve)	2000-14000	FT/HT
12mm	2400*14000	FT/HT	3000*1600(Curve)	1500-14000	FT/HT
		FT/HT	3000*3000	2000-14000	FT/HT
		FT/HT	14000*2000(Curve)	2500-14000	FT/HT
15mm	2400*14000	FT	14000*2000(Curve)	2500-14000	FT
19mm	2400*14000	FT	14000*2000(Curve)	2500-14000	FT

PROJECTS



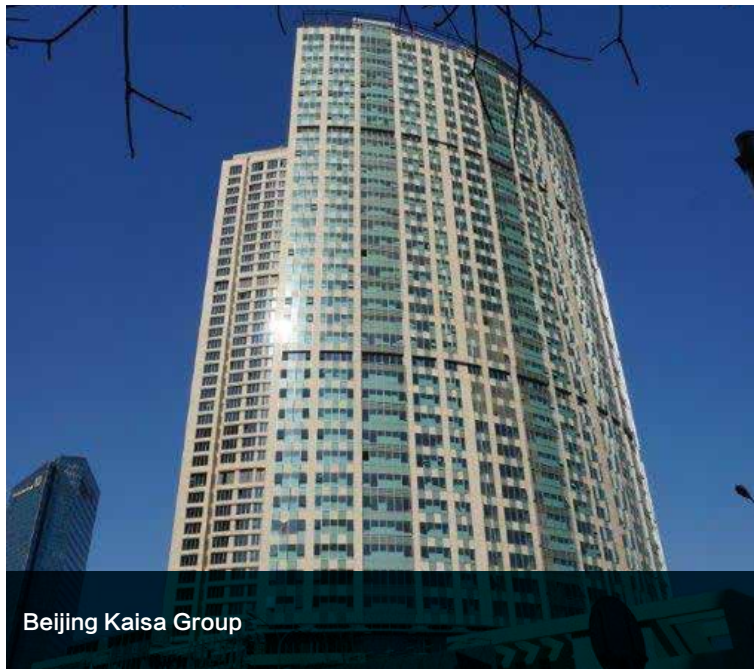
Chongqing Sunshine 100 Himalaya



HIGH VALUE-ADDED PRODUCTS

SYP GLASS GROUP

— ULTRA HIGH PERFORMANCE LOW-E COATED GLASS



Beijing Kaisa Group



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SYP GLASS GROUP

— ULTRA HIGH PERFORMANCE LOW-E COATED GLASS

PRODUCT DESCRIPTION

YTE series Ultra high performance Low-E energy saving glass is new Low-E energy saving glass, which is independently researched and developed by Shanghai Yaohua Pilkington Glass Group Co., Ltd., using the world's advanced off-line magnetron sputtering coating technology and equipment, through long-term technology innovation, constantly research in new material and new process technique, Compared with the traditional off-line Low-E coating film, the film structure of the High performance Low-E coating products is more complicated and more excellent, with the better infrared shade effect, the best sunshade function and energy saving effect, which drastically improve the indoor comfort, and is known as “summer sunshade”, is in the true sense of energy-efficient and green environmental protection new product. High-end product merged with the excellent performance, the definition of perfect will be re-interpreted.

APPLICATION FIELD

YTE series Ultra high performance Low-E glass can be widely used in the building curtain wall of skyscrapers, senior office buildings, shopping malls, theaters and other senior commercial building, also in the lobby glass, skylight, residential building doors and Windows. The beautiful appearance and excellent thermal performance will bring the most comfortable enjoyment to you.

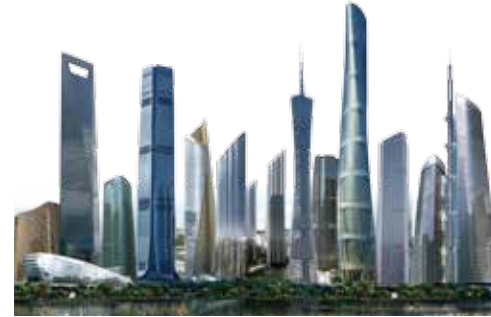
PRODUCT PARAMETERS

Ultra high performance Low-E coated glass															
Product	Substrate	Outside appearance	Visible light Transmittance%	Visible light		Solar		Total solar energy transmittance(g) JGJ/T 151-2008	SHGC NFRC 100-2010	SC JGJ/T 151-2008	SC NFRC 100-2010	Chinese U-value JGJ/T 151-2008	NFRC U-value NFRC 100-2010 (W/m ² ·K)		European U-value (EN 673 W/m ² ·K)
				Reflectance%		Transmittance%	Reflectance(Outside)%						Summer	Winter	
				Outside	Inside										
6YTE-0178(PT 2 ^{*)} +12Air+6C	clear float	neutral	69	11	12	28	37	0.36	0.32	0.41	0.37	1.62	1.57	1.63	1.6
6YTE-0170(2 ^{*)} +12Air+6C	clear float	neutral	62	11	13	26	36	0.33	0.30	0.38	0.35	1.63	1.58	1.64	1.6
6YTE-0160(2 ^{*)} +12Air+6C	clear float	blue	57	12	13	22	40	0.29	0.27	0.33	0.30	1.63	1.58	1.64	1.6
6YTE-0152(2 ^{*)} +12Air+6C	clear float	silver grey	48	26	21	19	45	0.25	0.23	0.29	0.27	1.64	1.60	1.65	1.6
6YTE-0150(2# ^{*)} +12Air+6C	clear float	silver grey	44	20	18	16	46	0.22	0.20	0.25	0.23	1.63	1.58	1.64	1.6
6YTE-0678(PT 2 ^{*)} +12Air+6	low-iron float	neutral	72	12	13	31	52	0.36	0.33	0.41	0.37	1.62	1.57	1.63	1.6
6YTE-0670(2 ^{*)} +12Air+6	low-iron float	neutral	64	11	13	28	49	0.33	0.30	0.38	0.35	1.63	1.58	1.64	1.6
6YTE-0660(2 ^{*)} +12Air+6	low-iron float	blue	59	12	13	24	53	0.29	0.27	0.33	0.30	1.63	1.58	1.64	1.6
6YTE-0652(2 ^{*)} +12Air+6	low-iron float	silver grey	51	27	22	21	60	0.25	0.23	0.29	0.26	1.64	1.60	1.65	1.6
6YTE-0650(2 ^{*)} +12Air+6	low-iron float	silver grey	46	20	18	17	59	0.23	0.21	0.26	0.24	1.63	1.58	1.64	1.6
6YTE-0178(PT 2 ^{*)} +12Ar+6C	clear float	neutral	69	11	12	28	37	0.35	0.32	0.40	0.37	1.36	1.26	1.36	1.4
6YTE-0170(2 ^{*)} +12Ar+6C	clear float	neutral	62	11	13	26	36	0.32	0.29	0.37	0.34	1.37	1.28	1.38	1.4
6YTE-0160(2 ^{*)} +12Ar+6C	clear float	blue	57	12	13	22	40	0.28	0.26	0.33	0.30	1.37	1.28	1.39	1.4
6YTE-0152(2 ^{*)} +12Ar+6C	clear float	silver grey	48	26	21	19	45	0.25	0.23	0.28	0.26	1.39	1.30	1.39	1.4
6YTE-0150(2 ^{*)} +12Ar+6C	clear float	silver grey	44	20	18	16	46	0.21	0.19	0.24	0.22	1.37	1.28	1.38	1.4
6YTE-0678(PT 2 ^{*)} +12Ar+6	low-iron float	neutral	72	12	13	31	52	0.36	0.32	0.41	0.37	1.36	1.26	1.36	1.4
6YTE-0670(2 ^{*)} +12Ar+6	low-iron float	neutral	64	11	13	28	49	0.33	0.30	0.38	0.34	1.37	1.28	1.38	1.4
6YTE-0660(2 ^{*)} +12Ar+6	low-iron float	blue	59	12	13	24	53	0.29	0.26	0.33	0.30	1.37	1.28	1.39	1.4
6YTE-0652(2 ^{*)} +12Ar+6	low-iron float	silver grey	51	27	22	21	60	0.25	0.23	0.29	0.26	1.39	1.30	1.39	1.4
6YTE-0650(2 ^{*)} +12Ar+6	low-iron float	silver grey	46	20	18	17	59	0.22	0.20	0.25	0.23	1.37	1.28	1.38	1.4

PROJECTS



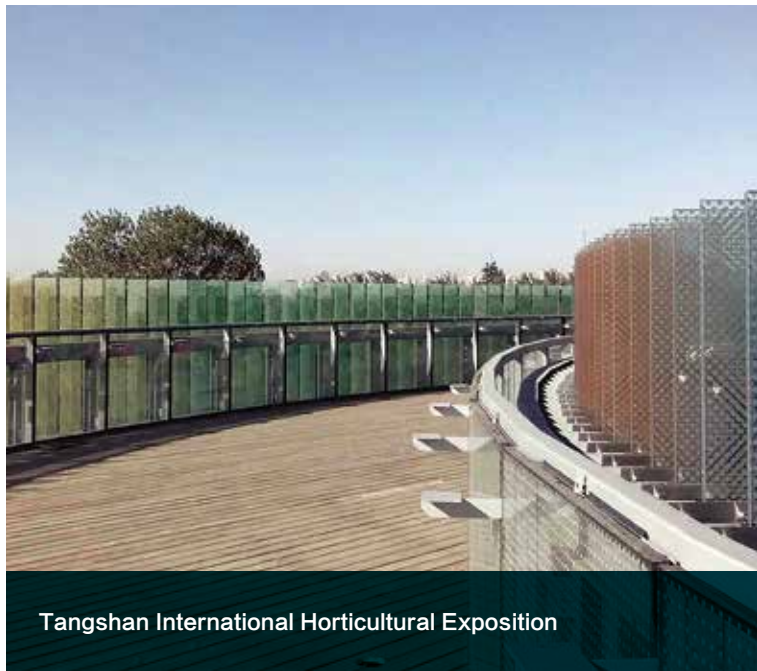
Tianshui cigarettes factory



HIGH VALUE-ADDED PRODUCTS

SYP GLASS GROUP

— DIGITAL CERAMIC GLASS



Tangshan International Horticultural Exposition



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SYP GLASS GROUP

— DIGITAL CERAMIC GLASS

PRODUCT DESCRIPTION

SYP group introduces DIP-TECH digital glass printer which applies digital ceramic glass printing technology, combining high-temperature inorganic ceramic ink with digital colorful printing technology. DIP-TECH digital glass printer prints digital colorful image on the surface of glass which is high-temperature tempered into new-style ceramic tempered glass. Digital ceramic glass achieves high-precision and colorful image which is better than traditional ceramic glass, makes curtain wall glass as an artwork.

Israeli DIP-TECH digital glass printer combines two best characteristics of digital printing: Multifunction and ceramic ink: Durability, breaks limitations of silk screen printing and UV digital printing, upgrades the value and competition of glass product.



SYP GLASS GROUP

— DIGITAL CERAMIC GLASS

PRODUCT FEATURES

1. Incomparable printing quality, up to 720dpi resolution ratio and super micro precision.
2. Opacity controlling
3. Edge-to-edge printing
4. Incomparable resistance to scratching, alkali, acid, UV and weather.
5. Various colors- automatically or manually mixing the color according to number of color chart based on 6 fundamental colors-ideal choice for application innovation of construction.

EQUIPMENT CHARACTERISTICS

- Multi-functional digital glass printer is available to satisfy aspects as follow:
- Any place: Extreme durability allows for exterior and interior use
 - Any color: multi-color printing
 - Any design: personality, opacity, transparency and texture.
 - Any size: various printing for both small size glass and large architectural curtain wall glass.
 - Any requirement: satisfy all the aesthetic standard and extensive multi-functional application.
 - Any term: Extreme weather durability, extreme resistance to chemical corrosion.

PRODUCT PARAMETERS

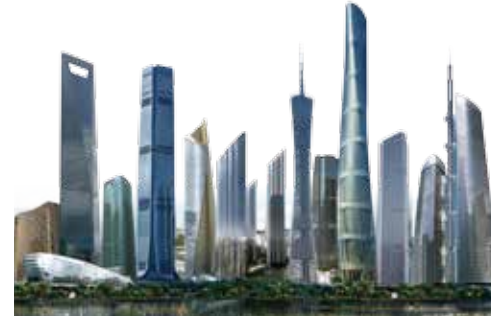
Process	Equipment	Thickness (mm)	Min size (mm)	Max size (mm)	Description
Enamel	Israeli DIP-TECH digital glass printer	2-19	unlimited	2800*4000	<ol style="list-style-type: none"> 1. High printing precision, up to 720dpi resolution ratio. 2. 56 RAL standard colors combined with 6 fundamental colors. 3. Easy printing preparation, if bitmap graphic(as adobe photoshop) or vector graphic(as adobe illustrator) offered, it can be restored to original design image.

APPLICATION FIELD

Digital ceramic glass is applicable to exterior curtain wall, windows, interior decoration and other applications. Glass satisfies multifunctional requirements and sustainable architectural goal.

APPLICATION FIELD

Double Curved Tempered Glass is applicable to double curved shaped curtain wall, lighting shed, observation elevator, partition wall and glass guardrail etc.



HIGH VALUE-ADDED PRODUCTS

SYP GLASS GROUP

— DOUBLE CURVED TEMPERED GLASS

PROJECTS



Beijing Chaoyang SOHO



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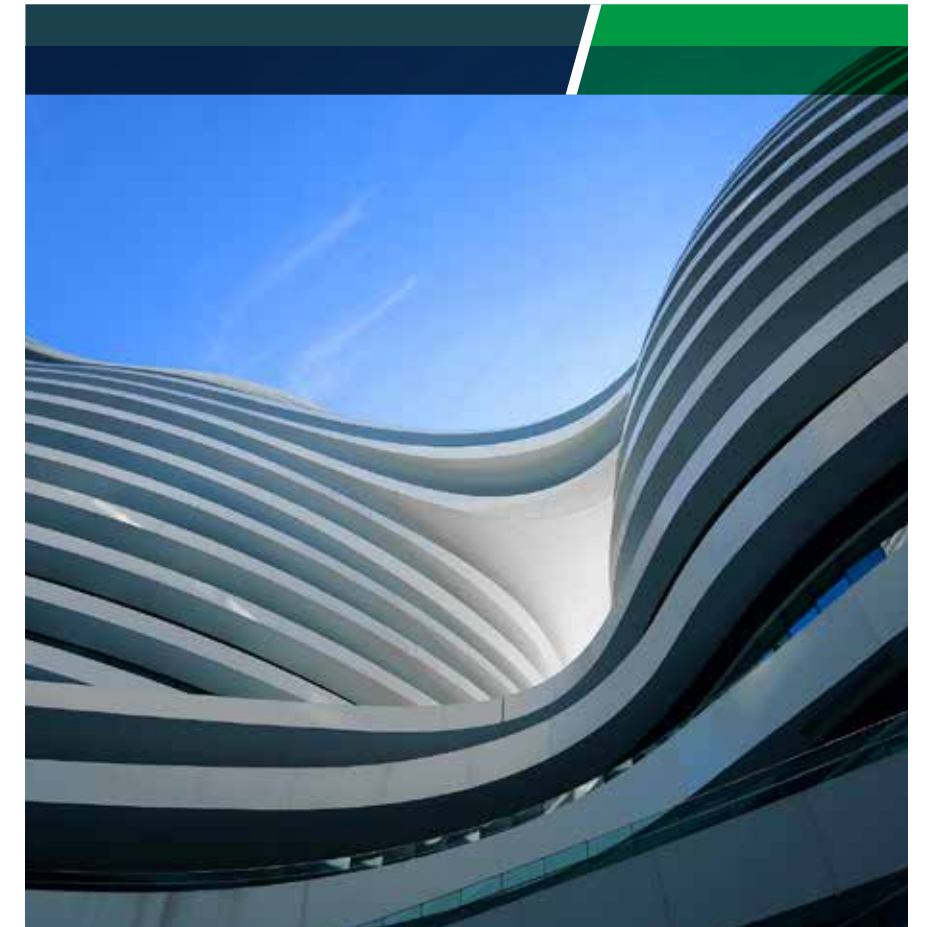
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SYP GLASS GROUP

— DOUBLE CURVED TEMPERED GLASS

PROCESS DESCRIPTION

Softened glass is transferred out of heating furnace, then major electric motor in the molding area starts up, transfer the glass to specific location by electric positioning technology. Rollers in the molding area fall off and the glass falls onto the mould and aligns the bottom mould. Top mould starts up and presses onto the glass against the bottom mould then returns to its original position. Finally the electric motor of mould starts up again and transfers the shaped glass into quenching and cooling furnace.



PRODUCT DESCRIPTION

Double Curved Tempered Glass is a kind of three-dimensional glass which through heating float glass into designing shape by mould and then quenching it to tempered glass.

PRODUCT FEATURES

1. Own safety, intensity and heat stability etc. characteristics of tempered glass. Belong to safety glass.
2. Satisfy double curved architectural designing requirements.
3. Conform to GB tempered glass standard.
4. Be able to processed into double-curved laminated glass and insulated glass etc.

PROCESSING SIZE

Bent Tempered(Double-Curved)					
Thickness	Radius(Min)	Size(Max)	Arch(Max)	Remark	
5-6	1200	1500*1800	320	HS	Mould
8	1500	1700*2000	320	HS/T	Mould
10	2000	1700*2000	244	T	Mould
12-15	2500	1700*2000	197	T	Mould
19	3000	1700*2000	165	T	Mould

Remark: Data above is for your reference only as complication of mould manufacturing, it is subject to actual capability of the equipment.