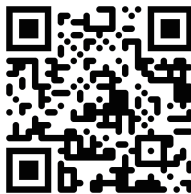


Architectural & Furniture Glass

EVERLAI



EVERLAI

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Glass Mat
Low-E Glass
Insulating Glass
Laminated Glass
Photovoltaic Glass
Glass Tableware
Vacuum Insulating Glass
Rolled Glass
Tempered Glass
Bent Tempered Glass
Bent Glass
Insulating Glass
Heat Strengthened Glass
Rolled Glass
Low-E Glass
Glass Furniture
Super Clear Float Glass
Tinted Float Glass
Vacuum Insulating Glass
Mirror Glass
Heat Reflective Glass
Bent Tempered Glass
Bird-Friendly Glass
Anti-Reflective Glass
Glass Mat
Photovoltaic Glass
Automotive Glass
Clear Float Glass
Ceramic Silkscreen Glass
Wired Rolled Glass
Low-E Glass
Tempered Glass
Bent Glass
Heat Reflective Glass
Tinted Float Glass
Heat Strengthened Glass
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Headquartered in the Financial District of San Francisco, California, Everlai LLC is a U.S.-based importer and distributor specializing in high-performance architectural glass and furniture glass products. Leveraging its self-owned manufacturing facilities in China, Everlai combines global sourcing efficiency with strict quality control to deliver reliable and competitive solutions to customers worldwide.

Everlai delivers a comprehensive portfolio of architectural glass solutions, including Laminated Glass, Insulating Glass, Tempered Glass, Printed Glass, and Vacuum Insulating Glass. In addition, Everlai offers a diverse range of furniture glass products, including glass railings, glass chair mats, glass desks, and bathroom glass applications, catering to both residential and commercial needs.

Everlai maintains full compliance with major international standards and certifications, including U.S. IGCC and SGCC, European Union CE Marking, ISO 9001, as well as Thailand TISI and China CCC.

With over 18 years of industry expertise, Everlai, together with its in-house manufacturing facilities in China, has established a strong presence across key global markets, including the United States, Canada, Mexico, Dubai, Saudi Arabia, Southeast Asia, and Europe. This international footprint underscores a shared commitment to quality, consistency, and long-term partnerships.



Company History

HONORS

As Everlai LLC’s in-house manufacturing facility in China, LANJING is a leading architectural glass deep-processing and export enterprise in Shandong province. LANJING has consistently taken technological innovation as its core driving force, continuously improving product quality and market competitiveness. With advanced manufacturing processes, strict quality management, and continuous R&D capabilities, LANJING has been recognized as a “High-Tech Enterprise” , “Innovative SME” , and “Specialized and Sophisticated SME” at both provincial and national levels, highlighting its professional strength and brand influence in the architectural glass industry.

PRODUCTS

Our product portfolio includes Low-E Glass, Insulating Glass, Tempered Glass, Laminated Glass, Heat-Reflective Glass, AR Glass, Vacuum Insulating Glass, High-Temperature Ceramic Silkscreen Glass, Furniture Glass, Etc.

2008 Established In-House Manufacturing Facility in China

LANJING was founded by Mr. Dou following his railway industry career.

2009 Insulating Glass

Established an insulating glass production line.

2011 Tempered Glass

Launched a tempered glass production line.

2013 Low-E Glass

Expanded Low-E glass processing capabilities.

2015 Southeast Asian & Middle Eastern Markets

Shifted company strategy to international markets; Products exported to Singapore, Malaysia, Saudi Arabia, and the UAE.

2019 Laminated Glass

Developed laminated glass processing capabilities.

2008

Established In-House Manufacturing Facility in China

2026

Obtained IGCC and SGCC Certifications

2020 Latin American Market

Started exporting to Latin America, including Mexico and Brazil.

2020 Australia & New Zealand Markets

Obtained Australia PAS-Mark Certification, enabling exports to Australia and New Zealand.

2023 European Market

Achieved European Union CE Certification and exported to Germany, Belgium, Austria, Netherlands, and other European countries.

2024 Green Manufacturing Initiative

Installed the photovoltaic system in support of global sustainability initiatives.

2024 Smarter Processing. Safer Glass.

Upgraded with advanced Horizontal 3-Axis CNC Center and Heat Soak Furnace systems.

2025 North American Market

Everlai LLC was established in San Francisco, California, USA, as the company’s U.S. office to serve the North American market.

Certifications & Partnerships

CERTIFICATIONS

GLAZING PARTNERSHIPS

INTERLAYER PARTNERSHIPS



ICON RESIDENCES BANGLADESH
LOW-E IGU

Low-E Glass

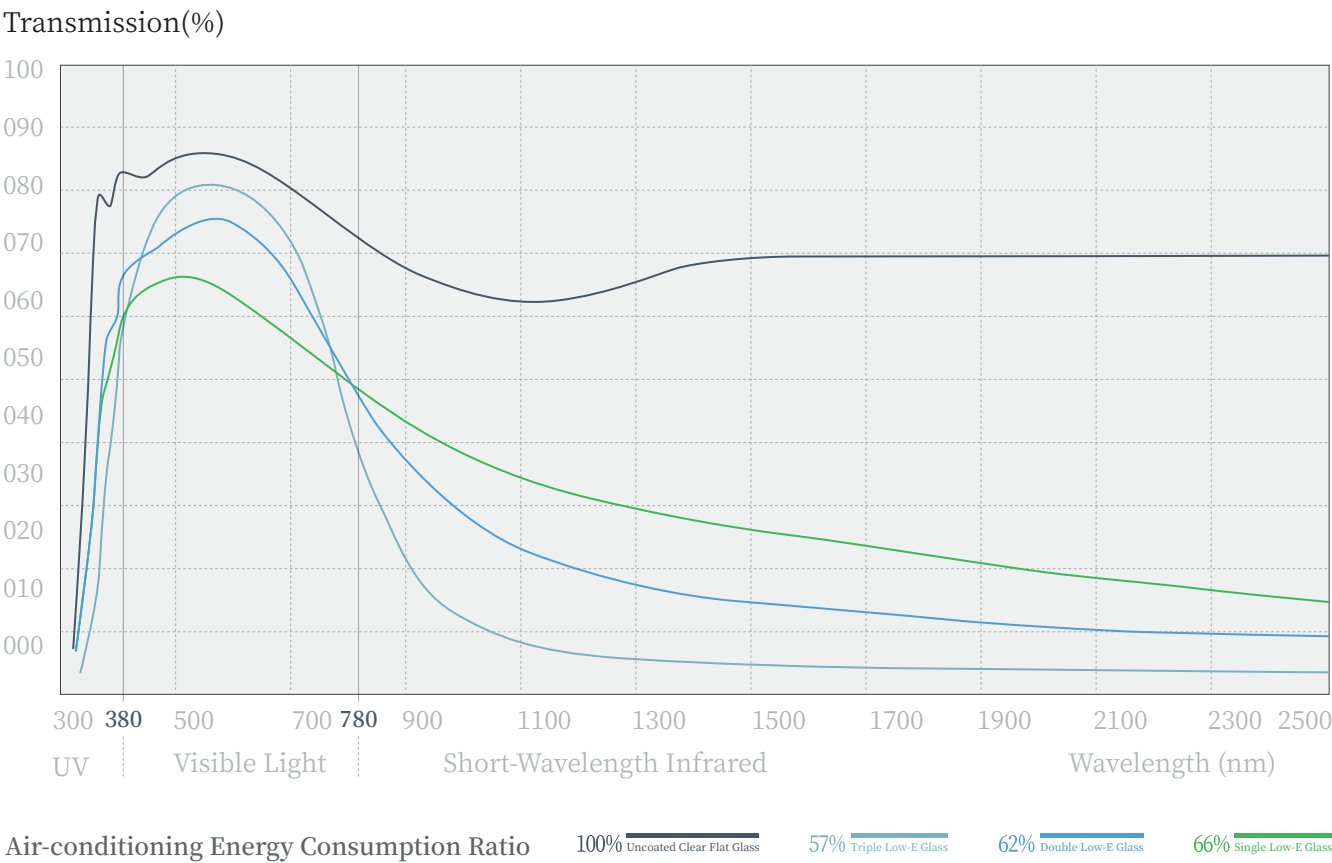
Introduction to Low-E Glass

Low-E glass is a high-performance coated glass designed to combine energy efficiency with excellent light transmission. Its advanced silver coating reflects infrared radiation while allowing maximum visible light to pass through, thus delivering outstanding thermal insulation and solar control benefits.

With high transparency, extremely low visible light reflectance, and superior energy performance, Low-E glass meets the requirements of modern architecture and sustainable building design. Depending on the number of silver layers applied, Low-E glass can be engineered to provide enhanced thermal insulation and solar control, making it a critical material for green construction and high-performance building solutions.



Figure 1
Transmission Performance of Various Low-E Glass in the Solar Spectrum



Products

Single Low-E Glass
Double Low-E Glass
Triple Low-E Glass
Online Low-E Glass

Specifications

Thickness: 3 ~ 19mm
Max. Size: 5000mm x 3000mm
Min. Size: 300mm x 300mm

Features

True Colors: Delivers the natural, authentic appearance of glass.
High Transparency: Excellent light transmission in the 380–780nm visible spectrum, minimizing glare from reflection.
Comfortable Daylighting: Allows abundant natural light with vivid colors, reducing the need for artificial lighting and saving energy.
Efficient Heat Insulation: Strong infrared reflection (780–2500nm), with near-total reflection of long-wave IR, blocking heat entry to keep interiors cool in summer and warm in winter.

Low-E Glass

Figure 2

CONSTRUCTION OF LOW-E INSULATING GLASS

LOW-E coating on surface #2

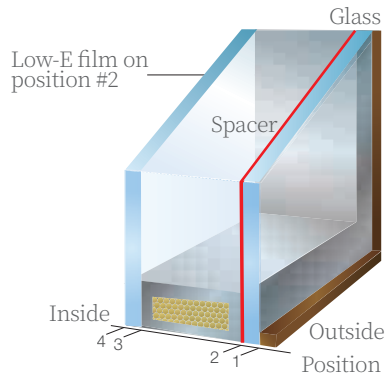


Figure 3

CONSTRUCTION OF LOW-E COATING STRUCTURES

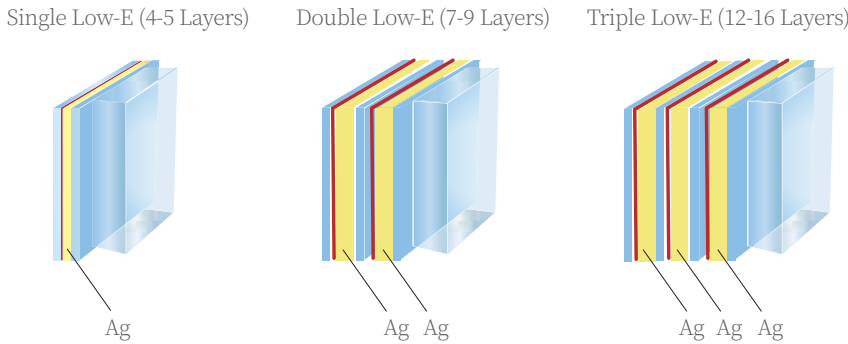
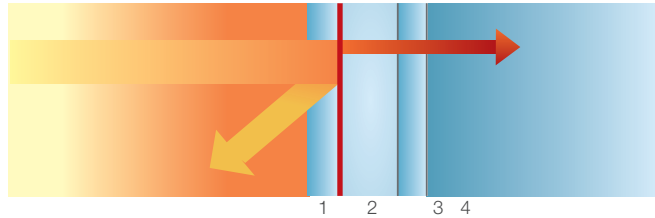


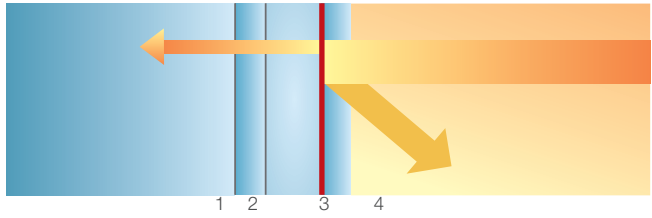
Figure 4

OUTSIDE
Low-E Glass (Coating On #2) INSIDE
Clear Or Tinted Glass



Ideal for (Sub) Tropical Climates: Surface #2 coating blocks most solar heat, keeping interiors cool.

OUTSIDE
Clear Or Tinted Glass INSIDE
Low-E Glass (Coating On #3)



Ideal for (Temperate) Cold Climates: Surface #3 coating retains indoor heat, keeping interiors warm and comfortable.



TORRE AVANCER MEXICO
LOW-E IGU

Low-E Glass

Product Name	Visible Light			Solar Energy	NFRC 100-2010						
	T _{VL} %	R _{VL} %		T _{SE} %	U-Value (Btu/hr·ft²·F)		U-Value (W/m²·K)		Shading Coefficient	SHGC	
		Ext.	Int.		Winter	Summer	Winter	Summer			
Single Silver Low-E											
6S1.0+12A+6C	72	21	20	43	0.29	0.28	1.63	1.57	0.53	0.46	
6S1.10+12A+6C	77	15	14	45	0.30	0.29	1.69	1.64	0.60	0.52	
6S1.16+12A+6C	80	13	13	50	0.30	0.30	1.72	1.69	0.65	0.57	
6S83+12A+6C	75	12	13	46	0.31	0.30	1.75	1.72	0.61	0.53	
6S70+12A+6C	62	17	12	38	0.33	0.33	1.86	1.87	0.52	0.45	
6S60+12A+6C	55	18	11	34	0.33	0.33	1.86	1.87	0.47	0.41	
6S50+12A+6C	45	22	11	28	0.33	0.33	1.85	1.85	0.40	0.35	
6XETN0187+12A+6C	76	11	11	48	0.30	0.30	1.72	1.69	0.63	0.55	
6XETN0180+12A+6C	72	10	13	45	0.32	0.32	1.80	1.80	0.60	0.52	
6XETB0170+12A+6C	66	11	11	42	0.32	0.32	1.80	1.79	0.56	0.49	
6XESS0170+12A+6C	64	13	10	39	0.33	0.33	1.86	1.87	0.54	0.47	
6XETB0160+12A+6C	53	18	10	34	0.33	0.33	1.85	1.86	0.48	0.42	
6XETG0160+12A+6C	54	20	11	33	0.32	0.32	1.81	1.81	0.46	0.40	
6XETG0150+12A+6C	45	30	16	27	0.31	0.30	1.74	1.71	0.37	0.32	
6XETB0150+12A+6C	45	20	10	29	0.32	0.32	1.84	1.84	0.42	0.37	
6XETG0141+12A+6C	36	27	14	22	0.31	0.31	1.77	1.76	0.32	0.28	
6PLE39E+12A+6C	36	30	11	22	0.31	0.31	1.77	1.75	0.33	0.28	
6PLE45D+12A+6C	40	23	11	24	0.32	0.31	1.79	1.78	0.36	0.31	
6PLE50F+12A+6C	43	31	15	25	0.31	0.31	1.76	1.74	0.36	0.32	
6PLE51C+12A+6C	45	20	11	27	0.32	0.31	1.79	1.78	0.39	0.34	
6PLE52D+12A+6C	45	21	10	28	0.32	0.32	1.81	1.81	0.40	0.35	
6PLE57C02+12A+6C	50	20	10	31	0.32	0.32	1.81	1.81	0.44	0.38	
6PLE60C+12A+6C	53	21	11	34	0.32	0.32	1.80	1.80	0.47	0.41	
6PLE66C+12A+6C	57	18	10	36	0.32	0.32	1.80	1.80	0.50	0.44	
6PLE70A+12A+6C	59	13	11	39	0.33	0.33	1.85	1.85	0.54	0.47	
6PLE75A02+12A+6C	63	9	15	41	0.32	0.33	1.84	1.85	0.56	0.49	
6PLE80A05+12A+6C	70	12	11	44	0.31	0.31	1.78	1.77	0.59	0.52	
6PLE85A-HP+12A+6C	76	12	11	47	0.30	0.29	1.69	1.65	0.62	0.54	
6PLE88A+12A+6	79	12	11	49	0.31	0.30	1.74	1.71	0.65	0.57	
6PLE88A-HP+12A+6C	79	13	12	48	0.29	0.29	1.67	1.62	0.64	0.55	
6SP1+12A+6C	78	11	12	53	0.32	0.32	1.83	1.83	0.68	0.59	
6SP2+12A+6C	73	13	12	47	0.32	0.32	1.81	1.81	0.60	0.52	
6SP3+12A+6C	53	18	10	33	0.32	0.31	1.80	1.78	0.46	0.40	
6SP4+12A+6C	45	22	10	28	0.32	0.32	1.83	1.83	0.39	0.34	
6SP5+12A+6C	43	30	13	27	0.32	0.32	1.81	1.81	0.37	0.32	
6YST0180+12A+6C	74	10	12	48	0.31	0.31	1.78	1.77	0.63	0.55	
6YBE0180+12A+6C	64	15	11	41	0.32	0.32	1.83	1.81	0.55	0.48	
6YBE0163+12A+6C	56	24	15	34	0.30	0.29	1.71	1.67	0.47	0.41	
6YBE0160+12A+6C	53	15	10	34	0.32	0.32	1.84	1.84	0.48	0.42	
6YBE0152+12A+6C	46	21	10	28	0.31	0.31	1.78	1.77	0.40	0.35	
6YBE0140+12A+6C	35	30	10	22	0.30	0.30	1.73	1.70	0.32	0.28	
6CL586II+12A+6C	76	13	13	51	0.32	0.31	1.79	1.78	0.67	0.58	
6CL170+12A+6C	62	18	12	39	0.31	0.31	1.77	1.76	0.52	0.45	
6DF560+12A+6C	53	22	12	33	0.31	0.31	1.75	1.74	0.45	0.39	
6DF552+12A+6C	46	24	11	29	0.31	0.30	1.75	1.72	0.40	0.35	
6DF548+12A+6C	41	32	14	26	0.31	0.30	1.74	1.71	0.36	0.32	
6DF540+12A+6C	36	28	13	22	0.31	0.31	1.77	1.76	0.32	0.28	
6HP50+12A+6C	45	22	11	29	0.30	0.30	1.72	1.69	0.39	0.34	
6HP60+12A+6C	52	20	10	35	0.32	0.32	1.82	1.82	0.47	0.41	
6HP80+12A+6C	75	11	12	53	0.32	0.32	1.81	1.80	0.67	0.58	
6HP86A+12A+6C	78	14	13	53	0.29	0.28	1.66	1.61	0.65	0.56	
6HP86+12A+6C	77	14	13	50	0.29	0.28	1.66	1.61	0.62	0.54	
6HP70+12A+6C	64	11	11	43	0.32	0.32	1.82	1.82	0.55	0.48	
6HP70G+12A+6C	61	15	10	41	0.32	0.32	1.80	1.80	0.53	0.46	
6HP80G+12A+6C	72	11	14	50	0.32	0.32	1.80	1.80	0.63	0.55	

SINGLE\DOUBLE\TRIPLE SILVER LOW-E INSULATING GLASS PERFORMANCE DATA

Product Name	Visible Light			Solar Energy	NFRC 100-2010					
	T _{VL} %	R _{VL} %		T _{SE} %	U-Value (Btu/hr·ft²·F)		U-Value (W/m²·K)		Shading Coefficient	SHGC
		Ext.	Int.		Winter	Summer	Winter	Summer		
Double Silver Low-E										
6D80+12A+6C	70	13	13	33	0.29	0.28	1.66	1.60	0.43	0.37
6D70+12A+6C	62	16	18	31	0.30	0.30	1.71	1.68	0.41	0.36
6D57+12A+6C	51	15	13	23	0.30	0.29	1.69	1.64	0.32	0.28
6D49+12A+6C	46	15	13	21	0.30	0.29	1.69	1.64	0.29	0.25
6D45+12A+6C	40	25	15	17	0.30	0.29	1.68	1.63	0.24	0.21
6XDTN0180+12A+6C	70	10	11	33	0.29	0.28	1.64	1.58	0.45	0.39
6XDTB0170+12A+6C	60	14	15	30	0.29	0.28	1.66	1.61	0.43	0.37
6XDTN0170+12A+6C	62	9	13	32	0.29	0.28	1.66	1.60	0.43	0.37
6XDTB0159+12A+6C	55	17	17	28	0.30	0.29	1.69	1.64	0.39	0.34
6XDTS0160+12A+6C	54	27	24	27	0.29	0.28	1.65	1.59	0.37	0.32
6XDTB0150+12A+6C	47	15	18	24	0.29	0.28	1.65	1.60	0.34	0.30
6XDTS0150+12A+6C	44	26	29	21	0.29	0.28	1.65	1.59	0.30	0.26
6XDTG0148+12A+6C	43	17	18	21	0.30	0.29	1.68	1.63	0.31	0.27
6XD54173-01+12A+6C	50	18	24	26	0.29	0.28	1.67	1.61	0.36	0.31
6XD54175-01+12A+6C	49	19	25	26	0.29	0.28	1.65	1.59	0.36	0.31
6PDE48E+12A+6C	44	28	24	25	0.29	0.28	1.65	1.59	0.35	0.31
6PDE51D+12A+6C	47	27	36	27	0.29	0.28	1.63	1.57	0.37	0.32
6PDE50D02+12A+6C	46	27	32	21	0.28	0.27	1.61	1.54	0.30	0.26
6PDE53A+12A+6C	47	7	15	21	0.29	0.28	1.65	1.59	0.32	0.28
6PDE55C+12A+6C	48	23	18	25	0.29	0.28	1.65	1.60	0.36	0.31
6PDE58B+12A+6C	53	16	13	24	0.29	0.28	1.64	1.57	0.34	0.29
6PDE60B02+12A+6C	57	17	19	29	0.29	0.27	1.62	1.56	0.40	0.34
6PDE70A+12A+6C	63	10	12	31	0.29	0.28	1.64	1.57	0.42	0.37
6PDE70B+12A+6C	58	15	18	31	0.29	0.28	1.64	1.59	0.44	0.38
6PDE75A02+12A+6C	66	11	12	32	0.29	0.28	1.63	1.57	0.43	0.37
6PDE80A+12A+6C	71	10	11	36	0.29	0.28	1.64	1.58	0.48	0.41
6D1+12A+6C	71	13	14	34	0.31	0.31	1.76	1.74	0.41	0.36
6D2+12A+6C	47	26	29	27	0.30	0.29	1.70	1.66	0.37	0.32
6D3+12A+6C	49	21	24	24	0.30	0.29	1.70	1.66	0.31	0.27
6D4+12A+6C	64	10	12	31	0.30	0.29	1.68	1.63	0.41	0.36
6D5+12A+6C	50	16	16	21	0.30	0.29	1.70	1.65	0.29	0.25
6YDT0170T+12A+6C	66	11	14	32	0.29	0.28	1.64	1.58	0.42	0.37
6YDT0156T+12A+6C	52	22	23	25	0.29	0.28	1.64	1.57	0.34	0.30
6YDT0152T+12A+6C	47	13	13	21	0.29	0.28	1.66	1.61	0.30	0.26
6YDTA0155+12A+6C	53	15	20	25	0.29	0.28	1.65	1.60	0.34	0.30
6SDF180+12A+6C	69	13	14	34	0.30	0.29	1.69	1.65	0.45	0.39
6SDF180II+12A+6C	71	12	13	36	0.29	0.28	1.64	1.58	0.46	0.40
6SDF176+12A+6C	67	11	13	35	0.31	0.30	1.75	1.73	0.47	0.41
6SDF170+12A+6C	62	12	14	29	0.30	0.29	1.69	1.65	0.40	0.34
6SDF168+12A+6C	60	17	19	31	0.29	0.28	1.66	1.60	0.42	0.36
6SDF162II+12A+6C	56	14	17	29	0.30	0.29	1.68	1.64	0.40	0.35
6SDF160+12A+6C	55	14	13	25	0.30	0.29	1.69	1.65	0.34	0.30
6SDF157+12A+6C	55	14	11	26	0.29	0.28	1.64	1.58	0.35	0.30
6SDF154II+12A+6C	52	19	22	25	0.30	0.30	1.72	1.69	0.34	0.30
6SDF149+12A+6C	45	14	11	20	0.29	0.28	1.65	1.59	0.29	0.25
6SDF140II+12A+6C	47	22	19	26	0.30	0.29	1.68	1.62	0.35	0.31
6SGR180+12A+6C	70	11	13	41	0.30	0.29	1.69	1.64	0.53	0.46
6SGR170+12A+6C	60	10	14	32	0.31	0.30	1.74	1.71	0.44	0.38
6SGR168+12A+6C	62	10	12	35	0.30	0.29	1.71	1.67	0.48	0.42

SINGLE\DOUBLE\TRIPLE SILVER LOW-E INSULATING GLASS PERFORMANCE DATA

Product Name	Visible Light			Solar Energy	NFRC 100-2010					
	T _{VL} %	R _{VL} %		T _{SE} %	U-Value (Btu/hr·ft²·F)		U-Value (W/m²·K)		Shading Coefficient	SHGC
		Ext.	Int.		Winter	Summer	Winter	Summer		
6SGR160+12A+6C	55	15	18	27	0.30	0.29	1.71	1.67	0.38	0.33
6SGR150+12A+6C	47	18	25	25	0.30	0.29	1.71	1.67	0.35	0.31
6SGR148II+12A+6C	48	24	27	24	0.30	0.29	1.69	1.65	0.34	0.30
6BJD60+12A+6C	55	14	15	30	0.30	0.30	1.73	1.71	0.41	0.36
6SYD60+12A+6C	56	11	17	30	0.30	0.30	1.72	1.69	0.42	0.36
6ZD48+12A+6C	45	9	22	23	0.30	0.30	1.72	1.68	0.34	0.30
6BJD47+12A+6C	45	16	29	23	0.30	0.29	1.70	1.66	0.34	0.29
6W50T+12A+6C	52	17	23	27	0.30	0.29	1.71	1.67	0.39	0.34
6HD50+12A+6C	45	9	15	23	0.29	0.28	1.64	1.58	0.30	0.27
6HD60B+12A+6C	54	15	13	26	0.29	0.28	1.64	1.57	0.32	0.28
6HD60G+12A+6C	56	9	15	32	0.30	0.29	1.68	1.62	0.42	0.37
6HD70+12A+6C	64	13	13	32	0.29	0.28	1.64	1.58	0.39	0.34
6HD80A+12A+6C	70	11	12	38	0.29	0.28	1.65	1.59	0.46	0.40
6HD80+12A+6C	68	11	13	36	0.29	0.28	1.65	1.59	0.43	0.38
6HD40B+12A+6C	39	16	21	19	0.29	0.28	1.63	1.57	0.25	0.21
Triple Silver Low-E										
6T70+12A+6C	67	15	15	26	0.29	0.27	1.62	1.56	0.34	0.30
6UT72+12A+6UC	72	15	15	29	0.29	0.27	1.62	1.56	0.36	0.31
6PTE60A+12A+6C	54	11	15	20	0.28	0.27	1.60	1.53	0.28	0.24
6PTE75A+12A+6C	66	13	15	26	0.28	0.27	1.61	1.53	0.35	0.30
6YTE0170T+12A+6C	64	11	11	27	0.29	0.28	1.65	1.60	0.36	0.31
6YTE0171T+12+6C	62	9	10	26	0.29	0.28	1.63	1.57	0.36	0.31
6YTE0168T+12A+6C	62	10	13	24	0.29	0.28	1.64	1.58	0.33	0.29
6YTE0156T+12A+6C	51	15	16	20	0.29	0.28	1.64	1.58	0.28	0.24
6YTE0155C+12A+6C	49	8	12	21	0.29	0.27	1.62	1.55	0.30	0.26
6YTE0149T+12A+6C	46	19	19	18	0.29	0.28	1.65	1.59	0.25	0.22
6YTE0145T+12A+6C	42	27	14	18	0.29	0.27	1.63	1.56	0.26	0.23
6YTE0176T+12A+6C	68	10	11	30	0.29	0.27	1.62	1.55	0.40	0.35
6YTE0172T+12A+6C	63	9	10	29	0.29	0.27	1.63	1.56	0.38	0.33
6YTES0156T+12+6C	50	16	17	19	0.28	0.27	1.61	1.54	0.27	0.23
6WT72+12A+6C	64	10	12	27	0.29	0.28	1.66	1.60	0.36	0.31
6WT70+12A+6C	63	13	15	23	0.29	0.28	1.66	1.61	0.31	0.27
6WT60+12A+6C	50	15	18	20	0.29	0.29	1.67	1.63	0.29	0.25
6HT40+12A+6C	42	7	23	20	0.29	0.27	1.62	1.55	0.27	0.24
6HT45+12A+6C	42	7	22	23	0.29	0.27	1.62	1.55	0.31	0.27
6HT70+12A+6C	70	13	13	30	0.28	0.27	1.61	1.53	0.35	0.31
Online Low-E										
6JJ Online Low-E+12A+6C	73	16	17	51	0.33	0.34	1.90	1.93	0.70	0.61
6Planibel G+12A+6C	73	16		55	0.33		1.90		0.73	0.64
6Sunergy A+12A+6C	63	13		43	0.35		2.00		0.60	0.52
6Sunergy 48+12A+6C	47	9		31	0.39		2.20		0.47	0.41
6Stopsol Supersilver+12A+6C	57	38		53	0.48		2.70		0.69	0.60
5Stopsol Silverlight+12A+5C	63	33		61	0.48		2.70		0.77	0.67

Low-E Glass



Notes on Design and Glazing

Sealing Requirement:
Low-E metallic oxide coatings react with air and must be sealed quickly or made into insulating glass.

Online Low-E:
Can be used as single-pane glass.

Frame Design:
Metal frames should have good drainage to prevent fogging or glass degradation due to water accumulation.

Laminated Glass Note:
When used in laminated glass, Low-E coatings have higher U-values, reducing thermal insulation performance.

Coating Identification:
Besides company markings, a simple fire test can locate the Low-E surface: ordinary glass reflects yellow flames, Low-E coated surfaces reflect pink or blue. Correct installation ensures optimal insulation.

Maintenance Guidelines

Do Not Apply Films:
Avoid sticking heat-insulating films on Low-E insulating glass to prevent thermal breakage.

High-Altitude Use:
For projects at an altitude of 1,000 meters or more, internal pressure adjustment may be required; consult our company beforehand.

Insulating Glass

Introduction to Insulating Glass

Insulating Glass consists of two or more panes of glass separated by a hermetically sealed spacer. The cavity between the glass panes is filled with dry air, argon, krypton, or other inert gases, which significantly reduces heat transfer through conduction and convection. To further improve thermal performance, Low-E coatings may be applied to the glass surface, effectively reflecting infrared radiation while allowing visible light to pass through.

Features	Applications	Specifications
Superior Insulation: Ideal energy-saving building material.	Architecture, Curtain Wall, Refrigerator, Etc.	Air Space Gap: 6mm, 9mm, 12mm, 15mm, 16mm, 32mm
Anti-Fog: Dry gas layer prevents condensation.		Max. Size (AIR): 5000mm x 2500mm
Enhanced Performance: Filling with inert gases like argon further improves insulation.		Max. Size (AR): 4500mm x 2500mm Min. Size: 500mm x 250mm



Insulating Glass



Insulating Glass



HINES MEXICO
LOW-E IGU

Tempered Glass

Introduction to Tempered Glass

Tempered glass is produced by heating float glass to near its softening point and rapidly cooling the surface, forming strong compressive stress on the exterior and tensile stress inside. This unique stress balance greatly improves impact resistance and ensures higher safety in use. With its superior strength and safety performance, tempered glass is widely adopted in both architectural projects and home interiors.

Features

- High Strength:** Tempered glass is approximately five times stronger than ordinary glass.
- Safe Breakage:** Breaks into small, pebble-sized pieces to minimize injury.
- Thermal Resistance:** Can withstand rapid temperature changes (e.g., 5mm tempered glass tolerates ~200°C difference).
- Heat Soak Test:** Due to the risk of spontaneous breakage, heat soak treatment is recommended for enhanced safety.



Specifications

- Thickness: 3 ~ 19mm
- Max. Size: 5000mm x 2700mm
- Min. Size: 300mm x 300mm

Applications

- Architecture,
- Furniture, Automatic Door,
- Escalator, Etc.

Heat Soak Test

Introduction to Heat Soak Test

The homogenization furnace (HST) is used to treat occasional nickel sulfide (NiS) inclusions in tempered glass. Inside the furnace, precise temperature control ensures that all high-temperature α -NiS within the glass is fully converted into the low-temperature stable β -NiS, thereby preventing stress concentrations and tempered glass spontaneous breakage caused by $\alpha \rightarrow \beta$ phase transitions triggered by temperature fluctuations during daily use.

Features

- Improve Lifetime:** Reduce Spontaneous Breakage Risk
- Balance Strength and Safety:** Tempered glass is 3–5 times stronger than ordinary glass and generally very safe. However, in rare cases, it may spontaneously break years after installation, posing risks to people or property. To ensure both strength and safety, tempered glass is recommended to undergo Heat Soak Testing (HST) in design.

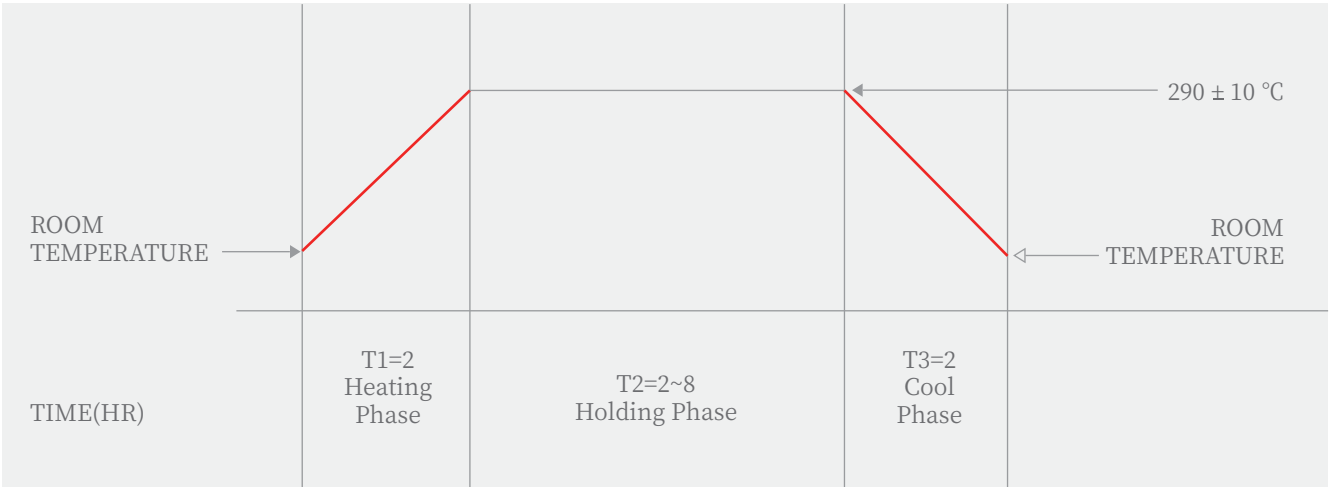
Suggestions

All tempered glass should undergo heat soak test

Specifications

- Thickness:
3 ~ 19mm
- Max Size:
5000mm x 2700mm
- Min. Size:
300mm x 300mm

HEAT SOAK TEST PROCESS AND TEMPERATURE CHANGES



Tempered Glass



ART GALLERY OF NSW AUSTRALIA
TEMPERED LAMINATED

Laminated Glass

Introduction to Laminated Glass

Laminated glass is produced by bonding two or more panes of glass with one or more layers of a tough, thermoplastic interlayer, such as polyvinyl butyral (PVB) or a high-performance ionomer like SentryGlas Plus (SGP), under conditions of heat and pressure. This process creates a permanent bond between the glass and the interlayer, forming a single composite unit that provides enhanced safety and structural stability. In the event of breakage, the interlayer holds the fragments together, preventing them from scattering and reducing the risk of injury.



SINGAPORE CHANGI AIRPORT SINGAPORE
TEMPERED LAMINATED

Features

High Safety:

The tough, adhesive interlayer resists penetration under impact, and broken glass fragments remain bonded, suitable for anti-theft, blast, and bullet-resistant applications.

Energy Efficiency:

The interlayer reduces solar infrared radiation, lowering HVAC energy use and enhancing indoor comfort.

Aesthetic Appeal:

Colored interlayers harmonize with surrounding architecture, meeting designers’ requirements and enhancing building appearance.

Sound Insulation:

The interlayer provides excellent acoustic performance.

UV Protection:

Blocks ultraviolet rays, protecting interior furnishings, fabrics, decor, and wallpapers.

Applications

Architecture,
Bullet/Burst-Proof Purpose,
Furniture.

Specifications

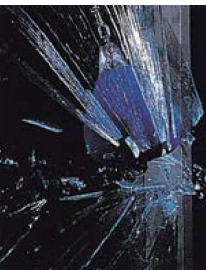
Max. Size: 4000mm x 2490mm
Min. Size: 300mm x 300mm

SAFETY PERFORMANCE



Laminated Glass

May break under heavy impact, but remain intact as fragments adhere to the interlayer, ensuring superior safety.



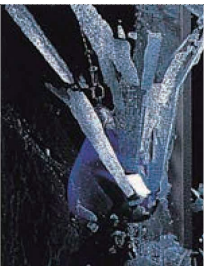
Float Glass

Shatters easily on impact, breaking into many long, sharp shards, even in thicker panes.



Remedial Film Applied To Float Glass

Offers only limited protection; when broken, it quickly separates from the glass surface, allowing sharp fragments to scatter inward.



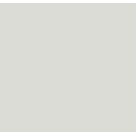
Tempered Glass

Breaks only under strong impact; instantly shatters into numerous tiny fragments, leaving only minimal glass in the frame.

Laminated Glass



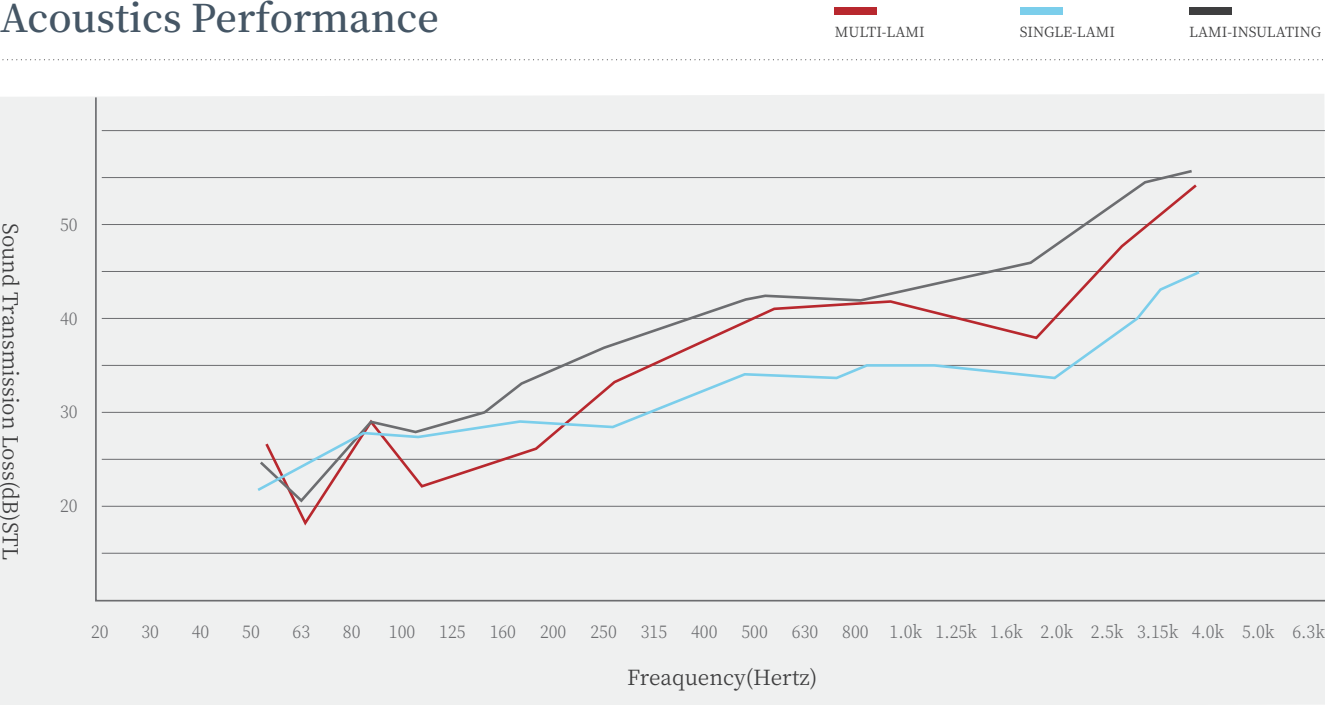
Foundation Colors

							
0001 Coral Rose	0002 Aquamarine	0003 Smoke Grey	0004 Sahara Sun	0005 Ruby Red	0006 Sapphire	0007 Evening Shadow	0008 Golden Light

Specialty Colors

			
000C Deep Red	000D True Blue	000E Tangerine	000H Ocean Grey

Acoustics Performance



Laminated Glass



QINGDAO ORIENTAL MOVIE METROPOLIS CHINA
LOW-E LAMINATED IGU

Laminated Glass



ZIBO CULTURAL CENTER CHINA
LOW-E LAMINATED IGU

Vacuum Insulating Glass

Introduction to VIG

Crafted with one sheet of float glass and one sheet of Low-E glass, this innovative panel integrates advanced micro-spacers that create a vacuum gap of just 0.15 mm. All edges are hermetically sealed with durable metal alloy or glass powder, ensuring long-lasting performance. The result is a slim, high-performance Vacuum Insulating Glass that delivers outstanding thermal insulation, energy savings, and clarity — ideal for modern architecture and sustainable building solutions.

Features

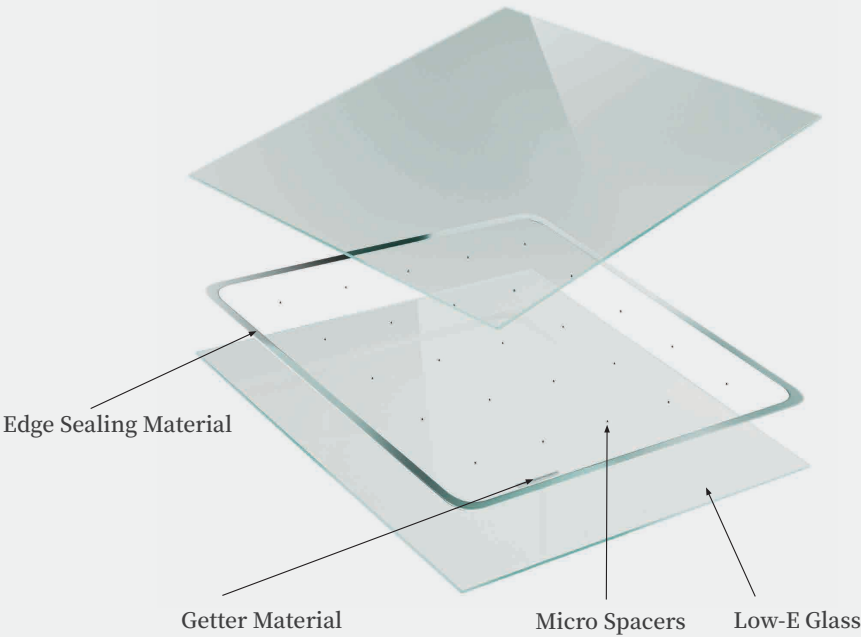
- Cost Savings:**
Thinner glass reduces building material costs; vacuum glass is ideal for narrow-frame designs.
- Low Thermal Transmittance:**
Low U-value significantly cuts HVAC energy use, lowering greenhouse gas emissions and supporting energy efficiency.
- Efficient Insulation:**
Blocks solar heat in summer to keep interiors cool; retains warmth in winter for comfortable indoor conditions.
- Anti-Condensation:**
Vacuum glass has a low dew point, down to -60°C, preventing fogging and internal condensation while protecting interior finishes.

Applications

Architecture, Curtain Wall
Passive House, Old House Renovation

Specifications

- Max. Size:
1600mm x 3000mm
- Min. Size:
300mm x 300mm
- Desiccant:
Striple/Round
- Air Space Gap:
0.15mm



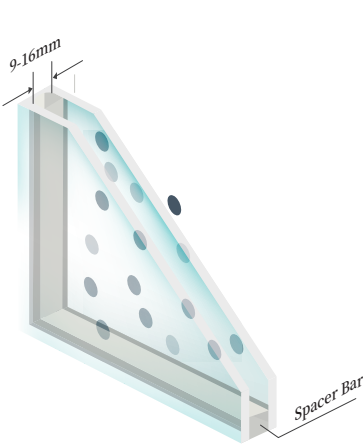
VIG GLASS PERFORMANCE DATA

Product Name	Visible Light		Solar Energy		NFRC 100-2010					
	T _{VL} %	R _{VL} %		T _{SE} %	U-Value (Btu/hr·ft²·F)		U-Value (W/m²·K)		Shading Coefficient	SHGC
		Ext.	Int.		Winter	Summer	Winter	Summer		
VIG										
4S1.16+0.15V+4C	80	14	13	54	0.10		0.57		0.68	0.59
5S1.16+0.15V+5C	79	13	13	50	0.10		0.55		0.65	0.57
4D80+0.15V+4C	69	13	13	50	0.09		0.50		0.65	0.57
5D80+0.15V+5C	69	13	13	50	0.08		0.45		0.65	0.57

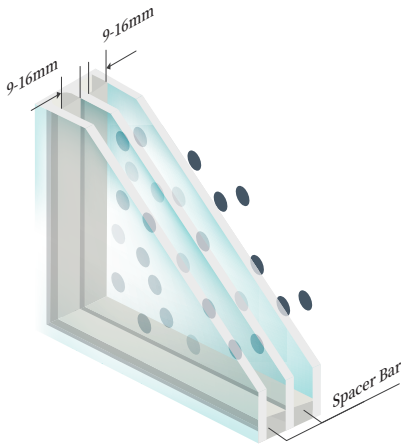
HYBRID VIG GLASS PERFORMANCE DATA

Product Name	Visible Light		Solar Energy		NFRC 100-2010					
	T _{VL} %	R _{VL} %		T _{SE} %	U-Value (Btu/hr·ft²·F)		U-Value (W/m²·K)		Shading Coefficient	SHGC
		Ext.	Int.		Winter	Summer	Winter	Summer		
Hybrid VIG										
5D80+12A+5S1.16+0.15V+5C	61	16	17	27	0.07		0.42		0.36	0.31
5D80+12A+5D80+0.15V+5C	54	16	17	22	0.07		0.40		0.30	0.26
5D80+16A+5S1.16+0.15V+5C	61	16	17	27	0.07		0.40		0.36	0.31
5D80+16A+5D80+0.15V+5C	54	16	17	22	0.07		0.39		0.31	0.27

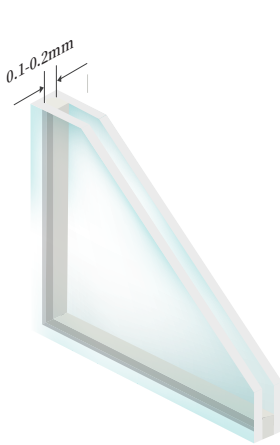
INSULATING GLASS



TRIPLE INSULATING GLASS



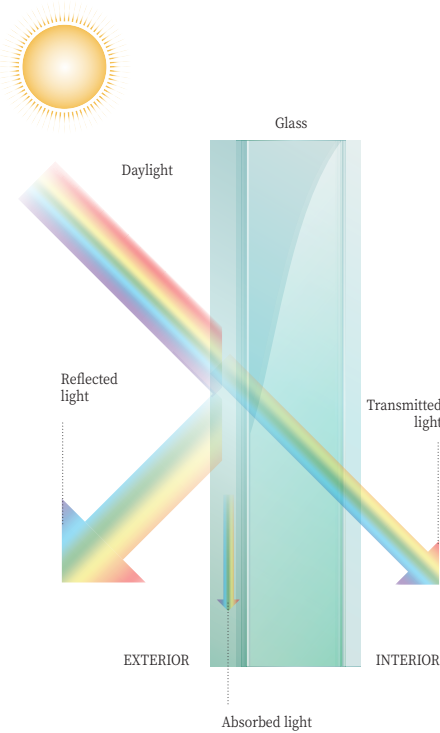
VIG



Heat Reflective Glass

Introduction to Heat Reflective Glass

Heat-reflective coated glass features a metal or metal compound coating applied on the glass surface to control solar transmittance as required, achieving effective shading and aesthetic appeal.



Features

Attractive Design:
Striking appearance with excellent shading.

Sun Protection:
Reflects and absorbs solar heat.

Glare Reduction:
Improves indoor visual comfort.

Applications

Architecture,
Curtain Walls.

Notes

Online Heat-Reflective Glass:
Tinted glass as substrate

Offline Heal-Reflective Glass:
Clear glass as substrate

Reminder:
Mainly reflects sunlight; limited energy savings.

Specifications

Thickness:
3 ~ 19mm

Max. Size:
5000mm x 3000mm

Min. Size:
300mm x 300mm

HEAT REFLECTIVE GLASS PERFORMANCE DATA

Product Name	Visible Light			NFRC 100-2010					
	T _{VL} %	R _{VL} %		U-Value (Btu/hr·ft²·F)		U-Value (W/m²·K)		Shading Coefficient	SHGC
		Ext.	Int.	Winter	Summer	Winter	Summer		
Heat-Reflective									
6XSTY0130T+12A+6C	28	27	17	0.43	0.45	2.44	2.56	0.36	0.31
6XSTY0140T+12A+6C	35	29	11	0.43	0.45	2.46	2.58	0.40	0.35
6XSTB0148+12A+6C	42	18	17	0.44	0.46	2.51	2.63	0.50	0.44
6XSTY0150T+12A+6C	46	25	16	0.46	0.48	2.60	2.73	0.53	0.46
6XSTY0160T+12A+6C	52	21	17	0.46	0.48	2.60	2.73	0.59	0.51
6XSTY0165+12A+6C	59	21	23	0.46	0.49	2.63	2.76	0.66	0.57
6XSTY0180T+12A+6C	74	14	15	0.48	0.50	2.70	2.84	0.86	0.75
6XS0760-01+12A+6C	54	8	17	0.46	0.48	2.61	2.74	0.63	0.55
6XS1238-01+12A+6C	34	14	21	0.43	0.45	2.46	2.58	0.42	0.37
6XS2175-01+12A+6C	68	25	21	0.47	0.49	2.65	2.78	0.77	0.67
6CS136+12A+6C	33	25	21	0.50	0.48	2.84	2.70	0.42	0.36
6CS150+12A+6C	47	24	20	0.50	0.48	2.84	2.70	0.54	0.47
6CS166+12A+6C	63	23	24	0.50	0.48	2.84	2.70	0.71	0.62

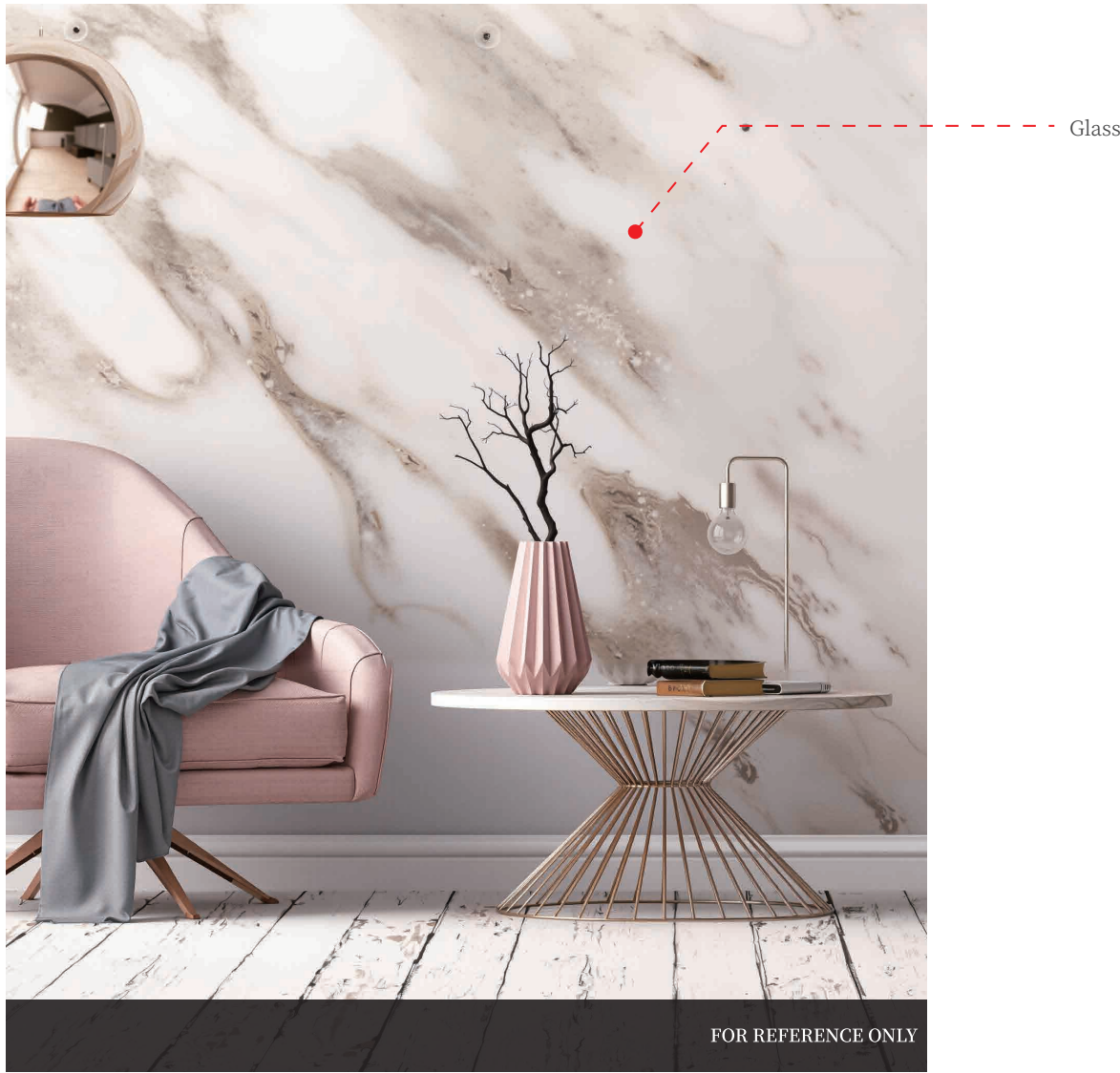
High-Temperature Ceramic Silkscreen Glass

Introduction to High-Temperature Ceramic Silkscreen Glass

Traditional Ceramic Silkscreen Glass is produced by printing ceramic glaze patterns onto float glass with specially designed screens, enabling the creation of a wide range of decorative patterns.

Unlike Traditional Ceramic Silkscreen Glass, High-Temperature Ceramic Silkscreen Glass undergoes a high-temperature annealing process after coloring, which significantly enhances the adhesion of the colors to the glass surface and enables subsequent deep-processing operations such as cutting, edge polishing, and tempering.

It features excellent durability, with patterns that are resistant to peeling and oxidation (only 3% color fading over five years), load-bearing capacity, and impact resistance. It is widely used in outdoor furniture, tabletops, cabinet doors, and other applications. It can also be fully customized in color and pattern, as long as customers provide RAL standard color codes or high-resolution designs.



Features

- Varied Colors and Patterns:**
Customized in multiple colors and patterns according to RAL standards or design requirements, creating unique spatial aesthetics.
- Glare Reduction:**
Partial printing helps soften intense sunlight, including west-facing or direct sunlight, enhancing visual comfort.
- High Safety:**
Tempered treatment increases strength and overall safety.
- Durability:**
More resistant to wear, moisture, and long-term use than standard color-printed glass.

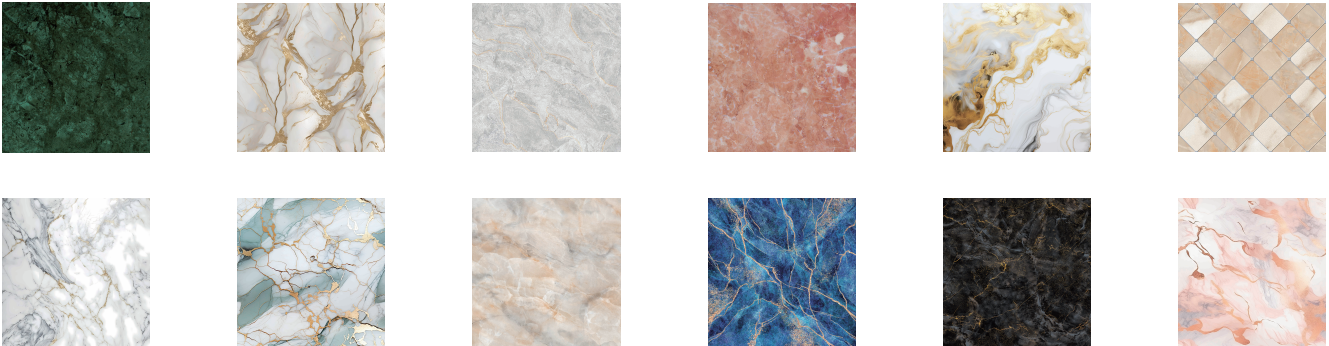
Applications

- Architecture,
Window Glass For Shops, Houses, And Schools,
Graphic Glass For Interior Partition,
Furniture And Art Glass.
- Thickness:** 3 ~ 19mm
Max. Size: 5000mm x 2700mm
Min. Size: 300mm x 300mm

Notes

- Size Confirmation:**
Tempered High-Temperature Ceramic Silkscreen Glass cannot be cut after production; confirm size and shape when ordering.
- Production Time:**
Custom color adjustments or specialized screens require longer production time; please plan accordingly.
- Single-Sided Printing:**
Glass is printed on one side; certain conditions apply—please consult our company for details.

COLORS AND PATTERNS FOR REFERENCE



High-Temperature Ceramic Silkscreen Glass



Glass Safety Film

Introduction to Glass Safety Film

Glass Safety Film is a PET or PVC-based protective film designed to improve the safety, durability, and impact resistance of glass surfaces. Applied directly to glass, it helps hold broken fragments together when the glass is damaged or shattered, reducing the risk of flying shards and improving safety. Glass Safety Film provides a practical and cost-effective safety upgrade for glass. It is especially suitable for applications where laminated glass may not be required, or where a more flexible and economical alternative is preferred.

Features

Impact Resistance:
Helps hold glass fragments together after breakage, reducing splashing and flying shards caused by spontaneous glass breakage or impact.

Cost-Effective Safety Solution:
Offers a more economical alternative to laminated glass; suitable for projects that require improved safety performance with better cost control.

Moisture Resistance:
Performs well in hot and humid environments, with better moisture resistance than PVB laminated glass in certain applications.

Wide Color Selection:
Available in multiple colors and finishes to support various architectural and decorative designs.

Applications

Bathroom Doors, Mirrors, Railway Vehicle Windows,
Insulating Glass Curtain Walls

Specifications

Max. Size: 3000mm x 1600mm
Min. Size: 300mm x 150mm

Notes

PET Film:
Superior safety performance and recommended for applications requiring high-level anti-shatter protection.

PVC Film:
More economical but not as safe or durable as PET film.

Installation Side:
The film can be applied to either side of the glass. Interior-side installation is preferred for enhanced safety, while exterior-side installation may be used for easier cleaning and improved visual appearance.



Glass Safety Film

Film (Backside)

Film (Inside / Outside)



FOR REFERENCE ONLY

Glass Furniture



FOR REFERENCE ONLY



FOR REFERENCE ONLY

Bathroom Glass

Door

Mirror



FOR REFERENCE ONLY

Glass Railing



FOR REFERENCE ONLY

Glass Railing



FOR REFERENCE ONLY

Wooden Crates Packaging

Open Crate



Open Crate



Closed Crate



"U" Type End Cap





EVERLAI

Mutual. Global. Conflict-Free.