

PRODUCT CATALOG



GlassecViracon

BUILDING POSSIBILITIES IN GLASS

Find the best glass at **GlassecViracon**

For over 30 years, GlassecViracon, a multinational company, has been a leading manufacturer of high-quality glass products, including insulating, laminated, and tempered or heat-strengthened glass.

The company is proud to offer a broad range of multi-functional glass enhancements such as silk-screen printed glass and heat strengthening to provide superior thermal, acoustic, safety, and design performance solutions to its customers.

Recognized for innovation and sustainability, GlassecViracon's high-quality products can be found in commercial, institutional, and residential projects worldwide.





Highly qualified
team



Full-scale
laboratory



Flawless design
and quality



On-time delivery



Product variety



Certification

Insulating Glass

Elevate your project with comfort and elegance

Insulating glass, also known as "double glass," is the perfect solution for projects that prioritize thermoacoustic comfort and sustainability. By combining two glass sheets separated by a spacer, insulating glass forms a hermetically sealed chamber that serves as an excellent barrier against external noise.

AVAILABLE SETTINGS

INSULATING



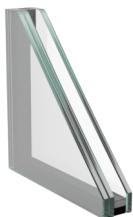
Reduces heat transfer into the environment by up to 75%, surpassing laminated or monolithic glass options.

INSULATING LAMINATED



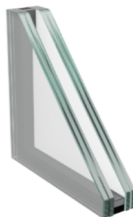
Provides added security for facades that face external pressure, like areas prone to heavy storms.

LAMINATED INSULATING



Combines the thermal properties of insulating glass with the safety features and acoustic performance of laminated glass.

DOUBLE LAMINATED INSULATING



Boasts the highest acoustic performance available, offering enhanced safety and thermal comfort for your project.

TRIPLE INSULATING



Delivers the highest thermal performance index, keeping your environment stable and isolated from temperature fluctuations.

BEST APPLICATIONS

· Roofing · Façade

TECHNICAL LIMITS

THICKNESS: 12 to 52 mm (1/2" to 2 5/32")

DIMENSIONS: Min. 200 x 300 mm (8" x 12")

Max. 2500 x 5000 mm (98" x 196")

SPACER: aluminum and warm edge 6 mm to 27 mm

SILICONE: black

STANDARD SIGHTLINE: 12 mm (1/2")

FILL: air and argon gas

OFFSET: 4-sided

Laminated Glass

Ideal for versatile and secure projects

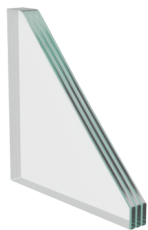
Laminated glass enhances safety by preventing shattering upon impact, reducing the risk of injury and property damage. Additionally, it offers high protection against UV rays and a variety of aesthetic options for color and opacity choices.

AVAILABLE SETTINGS



LAMINATED GLASS

Its primary function is to enhance security in a project, offering high protection against UV rays, and a variety of aesthetic options for color and opacity choices.



MULTILAYER GLASS

Also known as anti-vandalism glass, multilayer glass is composed of multiple layers of glass bonded together with an interlayer. It is the best option for environments that require added protection, such as benches, storefronts, guardhouses, and glass walkways.

BEST APPLICATIONS

- Roofing
- Partition
- Façade
- Railing Systems
- Floor / Walkway
- Showcase

TECHNICAL LIMITS

INTERLÁMINAS: functional, Structural & Acoustic
- PVB & SentryGlas®

THICKNESS: 6 to 60 mm (1/4" to 2 15/32")

DIMENSIONS: L1: Min. 200 x 300 mm (8" x 12")

Max. 2500 x 6000 mm (98" x 236")

L2: Min. 200 x 300 mm (8" x 12")

Max. 2600 x 5100 mm (102" x 200")

Tempered and Heat-strengthened Glass

Maximize the strength and safety of your project



Ideal for projects that require enhanced thermal and mechanical resistance, tempered and heat-strengthened glass offer diverse application possibilities and benefits. Additionally, they serve as excellent safety allies when combined with laminated glass.

TEMPERED

- Offers high mechanical strength;
- Can be used as structural glass, but an HST* test is recommended;
- May be subject to spontaneous breakage due to NiS contamination of the float glass;
- If it breaks, it shatters into small fragments;
- Can be up to 5 times more resistant than regular glass of the same thickness, type, and size.

HEAT-STRENGTHENED

- Has improved resistance to handling and weathering;
- Does not have the spontaneous breakage effect due to NiS;
- Offers improved safety in case of breakage, as the glass cracks from one edge to the other and remains attached to the frame;
- Can be up to 2.5 times stronger than regular glass of the same thickness, type, and size.

QUALITY CONTROL SYSTEM

HEAT SOAK TEST (HST)*

*Purchased separately

Thermal test to reduce the risk of spontaneous breakage of tempered glass due to nickel sulfide contamination.

ILOOK

High precision scanner that monitors and records the planimetry of tempered and thermoset glass to ensure the optical quality of all parts.

BEST APPLICATIONS

- Shower enclosures
- Door
- Partition
- Structural glazing
- Façade
- Showcase

TECHNICAL LIMITS

Annealed, heat-strengthened, or fully tempered

THICKNESS: 4 to 19 mm (5/32" to 3/4")

DIMENSIONS: Min: 80 x 300 mm (4" x 12")

Max: 2800 x 6000 mm (110" x 236")

HST: 3210 x 6000 mm (126" x 236")

Silk-screen Printed Glass

Beauty combined with privacy

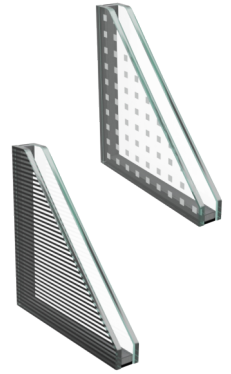
Bird-Friendly Glass

Safety for birds

SILK-SCREEN PRINTED GLASS

In innovative and ambitious projects, silk-screen printed glass is a valuable asset for both creativity and practicality. The silk-screen technique involves applying colors or designs on the glass, resulting in artistic expressions and creating inviting spaces while still maintaining practical features such as privacy, energy efficiency, and security.

At GlassecViracon, all Silk-screen printed glass is tempered or heat-strengthened. This product can be incorporated into insulating and safety laminate configurations to add even more value to the project.



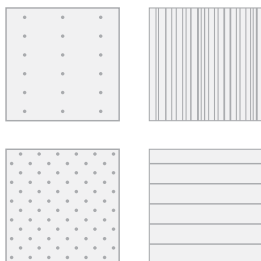
BEST APPLICATIONS

- Shower enclosures
- Roofing
- Partition
- Façade
- Railing systems
- Coating
- Flooring / Walkway
- Door
- Structural glazing
- Spandrel glass
- Showcase

TECHNICAL LIMITS

Silk-screen printing: standard & customized
THICKNESS: 4 to 19mm (5/32" to 3/4")
DIMENSIONS: Min: 80 x 300 mm (4" x 12")
 Max: 2200 x 3600 mm (86" x 141")
ROLL PROCESS: 2200 x 6000 mm (102" x 236")

STANDARDS



BEST APPLICATIONS

- Façade
- Railing systems

BIRD-FRIENDLY GLASS

Bird-Friendly Glass minimizes bird collisions on glass facades, with an efficiency of up to 94%. Therefore, it is a sustainable alternative to balance the growth of urban spaces with the reduction of environmental impacts.



Certification

In compliance with national and international standards, GlassecViracon's glass solutions contribute to projects that seek LEED or AQUA certifications, meeting sustainability requirements.

In addition, it is the only Brazilian company with full certification from **AMS** (Administrative Management Systems, Inc.), **IGCC** (Insulating Glass Certification Council) for insulated glass and **SGCC** (Safety Glazing Certification Council) for laminated and tempered glass.

It also has **NOA** approval (notice of acceptance) from the **MDCA** (Miami-Dade County Approved) for safety glass intended for regions susceptible to hurricanes.

These certifications and approvals accredit GlassecViracon as a reliable and reputable international source for the supply of glass in the most demanding markets in the world.

VLT - Visible Light Transmittance
VLR out - Visible Light Reflectance (outside)
VLR in - Visible Light Reflectance (inside)
SC - Shading Coefficient
LSG - Light to Solar Gain Ratio



Reference products

Solar Optical Properties And Thermal Characteristics (Air)

PRODUCT CODE	PRODUCT	AESTHETIC	VLT	VLR out	VLR in	SC	U-VALUE SUMMER (W/m ² ·K)	LSG
Laminated Glass 12,38 mm (66.1) and Insulating Glass 24 mm (6/Ar12/6)								
GA 122	Laminated	Neutral	44%	13%	11%	0,46	5,44	1,10
GA 128			39%	31%	19%	0,40	5,40	1,12
GA 129			46%	25%	19%	0,44	5,40	1,20
GA 217			41%	23%	9%	0,51	5,40	1,23
GA 258			46%	12%	12%	0,50	5,50	1,05
GA 310			30%	18%	13%	0,37	5,50	0,94
GA 015		Silver	19%	32%	25%	0,32	5,40	0,68
GA 164			37%	19%	12%	0,47	5,50	0,90
GA 216			34%	27%	11%	0,45	5,40	0,86
GA 255			31%	30%	9%	0,37	5,50	0,97
GA 119		Blue	35%	29%	24%	0,42	5,40	0,96
GA 162			21%	20%	23%	0,37	5,50	0,66
GA 125		Green	36%	13%	10%	0,40	5,44	1,03
GA 179			32%	23%	19%	0,38	5,40	0,99
GA INS 122			Insulating	Neutral	46%	17%	10%	0,42
GA INS 128	41%	30%			14%	0,36	1,70	1,33
GA INS 129	49%	26%			15%	0,42	1,70	1,36
GA INS 217	Blue	39%		32%	14%	0,43	2,70	1,23
GA INS 119		38%		25%	18%	0,36	1,80	1,20
GA INS 162		20%		21%	31%	0,26	2,70	0,87
GA INS 125	Green	40%		14%	10%	0,31	1,88	1,48
GA INS 179		35%		22%	14%	0,26	1,70	1,54



Faria Lima Plaza
São Paulo - Brazil



Picture: Ana Mello

Facces Jardins by Helbor
São Paulo - Brazil

Glass is an essential element in any project, as it can create a sense of spaciousness, sophistication, and grandeur. It also provides numerous benefits, including protection against UV rays, increased security, light control, and improved thermal and acoustic comfort.

GlassecViracon, a globally recognized company for innovation and sustainability, is present in many large commercial, institutional, and residential projects.

Picture: Eduardo Bragança



Galeria Laguna
Curitiba - Brazil



Centro de Ensino e Pesquisa &
Hospital Israelita Albert Einstein
São Paulo - Brazil



Torre Universal
San José - Costa Rica



Yachthouse by Pininfarina
Balneário Camboriú - Brazil



Eco Medical Center
Curitiba - Brazil



CMC Global Office
Ho Chi Minh - Vietnam



Ritz-Carlton Residences
Florida - USA



Apogee Corporate
São Paulo - Brazil



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