



GLASSFAB
TEMPERING SERVICES, INC.

Raise Your Glass With Excellence

Architectural Laminated Glass

What we offer

The highest quality architectural glass services

Glassfab Tempering Services, Inc.

Laminated Glass features an interlayer, also known as polyvinyl butyral (PVB), bonded between two or more glass layers using heat and pressure. The most important characteristic is the ability of the interlayer to support and hold the glass when broken and/or the plastic sheet when cracked. This provides increased protection against fallout and penetration of the opening. Most building codes require the use of laminated glass for overhead glazing as monolithic lites, or as the lower lite in multiple glazed units. Other applications include safety, security, detention, seismic-resistant, blast-resistant, bullet-resistant, burglary-resistant, hurricane/cyclic wind-resistant, and sound reduction applications.

- GTS Inc. warrants its laminated glass for 5 years from the date of manufacture for use and service under normal conditions.
- Tempered laminated glass with edgework or fabrication may be offset slightly due to fabrication before laminating.
- Laminated glass is not recommended for use as shower doors due to the delamination that can occur over time.
- Polishing post-lamination on tempered laminated glass is not recommended due to the possible spontaneous breakage that can occur.
- Glassfab can fabricate post-polish tempered laminated glass at the customer's discretion.
- All soft-coat low-e products may have inherent distortion and must be edge-deleted when laminating.



Laminated Glass Door Entrance System



Laminated Glass Stair Railings

Laminated Glass Components

LAMINATING CAPABILITIES: Up to 130" (3302mm) Wide x Up to 315" (8001mm) Tall



Interlayer Thickness

Heat-treated laminated products require two PVB interlayers.

0.030 - 1 Interlayer	0.120 - 4 Interlayers
0.060 - 2 Interlayers	0.150 - 5 Interlayers
0.090 - 3 Interlayers	0.180 - 6 Interlayers



Interlayer Colors:

The Glassfab standard colors are listed below:

52% Bronze	65% White
44% Gray	80% Cool White
73% Blue-Green	Diamond White



SentryGlas® Plus (SGP)

SentryGlas® (SGP) was initially developed for hurricane glass glazing applications.

SGP is chemically different from PVB, making it water-resistant, clearer, and stronger. SGP has continued to lead the industry by setting a new standard in strength for lamination.



Acoustic QS41 Interlayer

QS41 is a very effective way to control sound transmission and is a great option for those who have a lot of noise in their home or business. Aside from being cost-effective, acoustic laminated glass panels will certainly earn you some green points as well.

“Raise Your Glass With Excellence”



Laminated Glass Partitions



Laminated Glass Railing System

Superior Performance

Hurricane Resistant Glass

SentryGlas® Plus (SGP)

SentryGlas® (SGP) was initially developed for hurricane glass glazing applications in the United States. SGP is chemically different from PVB, making it water-resistant, clearer, and stronger.

SGP set a new standard in strength for lamination and has continued to lead the industry. It has since expanded its use, as structural engineers have recognized that the performance benefits developed for hurricane applications could also be beneficial for many other aspects of a building. This includes facades, overhead glazing, balustrades, doors, and partitions. Today, many modern architectural buildings use SGP to create new, less framed glass structures. The SGP interlayer is five times stronger and up to 100 times stiffer than conventional laminating materials. With this kind of strength, SGP is opening up design possibilities that didn't exist before.



Laminated Glass Overhead Canopies



Laminated Hurricane-Resistant Glass

Acoustical Performance

Experience Peace and Quiet with Superior Acoustical Performance

What is an OITC Rating?

OITC (Outdoor-Indoor Transmission Class) rating is an essential consideration for architectural laminated glass customers. The OITC rating measures how much sound can be transmitted from outside to inside a building through the glass. The higher the OITC rating, the better the glass is at reducing noise. This rating is especially important for buildings located in noisy environments, such as airports, highways, or urban areas.

What is an STC Rating?

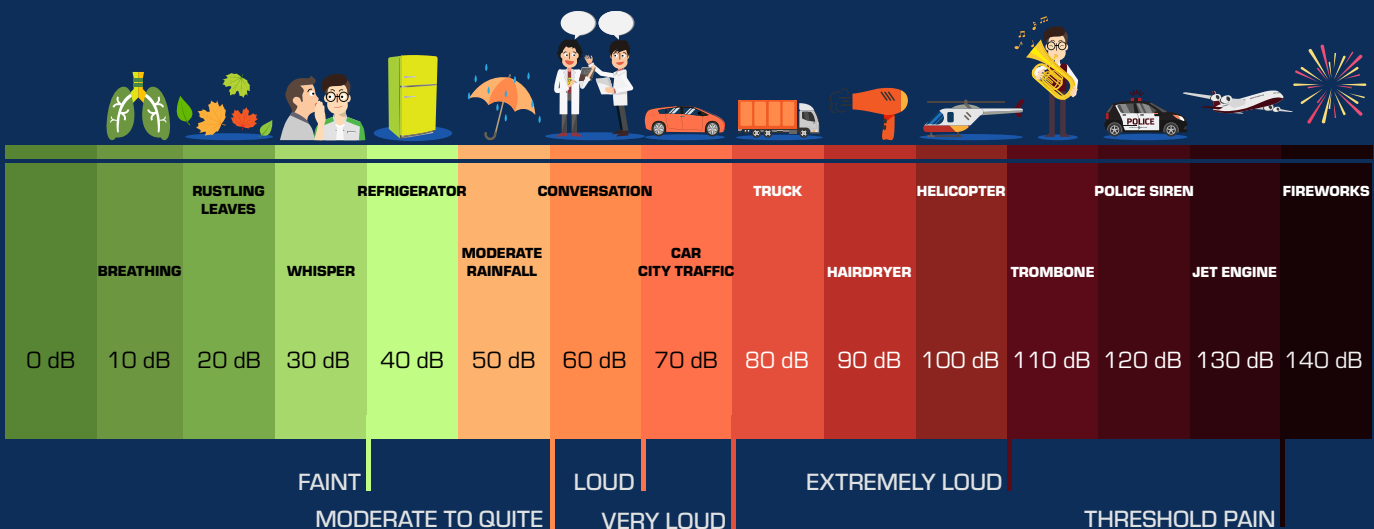
STC (Sound Transmission Class) rating is a crucial consideration for architectural laminated glass customers. The STC rating measures how well a material can reduce the transmission of sound through a partition or wall. Laminated glass products that have been tested and certified with high STC ratings are especially important for buildings located in noisy environments, such as airports, highways, or urban areas. The higher the STC rating, the better the glass is at reducing noise transmission through walls and partitions.

What is the difference between STC and OITC Ratings?

STC (Sound Transmission Class) and OITC (Outdoor-Indoor Transmission Class) ratings are both essential considerations for architectural laminated glass customers who prioritize acoustic performance in their buildings. The STC rating measures sound transmission through walls and partitions, while the OITC rating measures sound transmission through glass. The STC rating is based on a frequency range of 125 Hz to 4,000 Hz and is an effective way to measure sound transmission in speech frequencies. On the other hand, the OITC rating considers a broader frequency range of 80 Hz to 4,000 Hz and is more effective at measuring sound transmission in lower frequencies, such as traffic noise. While both ratings are important, they measure different aspects of acoustic performance and should be considered together when selecting laminated glass products for buildings in noisy environments.

DECIBEL SCALE (dB)

An explanation of the decibel scale and related units for measuring loudness





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