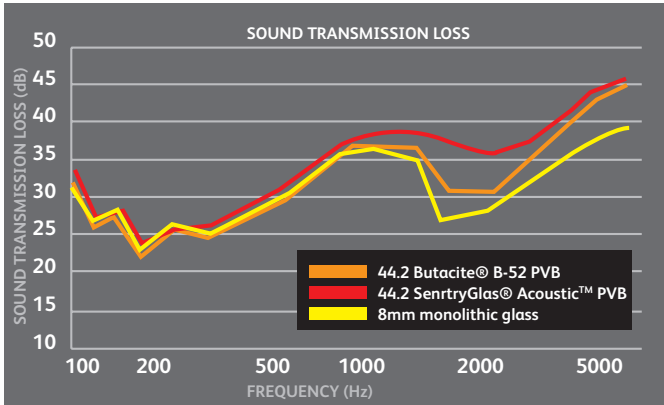


### MAKING INTERIOR SPACES QUIETER AND MORE COMFORTABLE.



At frequencies of about 900HZ and above glass made acoustic control reduces sound transmission by as much as 10 decibels

### CREATING LESS NOISE AND LESS STRESS.

Research shows that people are more productive, more creative, more comfortable and even healthier when unwanted noise is reduced. Ideal Locations for acoustic safety glass include:

- Near airports and runways
- In congested urban areas
- Along highways or rail corridors
- Adjacent to power stations or industrial plants
- Next to fire stations or emergency service facilities
- In schools and libraries

### LOCATIONS THAT HAVE THE NEED FOR PRIVACY

Even if outside noise is not a nuisance, acoustic performance inside a room or building can be highly valued for comfort or privacy. Examples include:

- Health clinics and medical care centers
- Psychological counseling or family service facilities
- Private practices such as accounting, legal, and estate planning or investment
- Meeting and conference rooms, boardrooms
- Customer service rooms and managers' offices at banks, real estate or development firms, law firms

### HOW IT WORKS

Traditional glass is a leading source of unwanted noise transmission in buildings. Laminated glass made with Glasscraft's technology interlayers not only creates a layered barrier to sound, it also creates internal surfaces within the glass, where manufacturers can add energy-efficient, low-emissivity coatings or weather-protected aesthetic treatments.

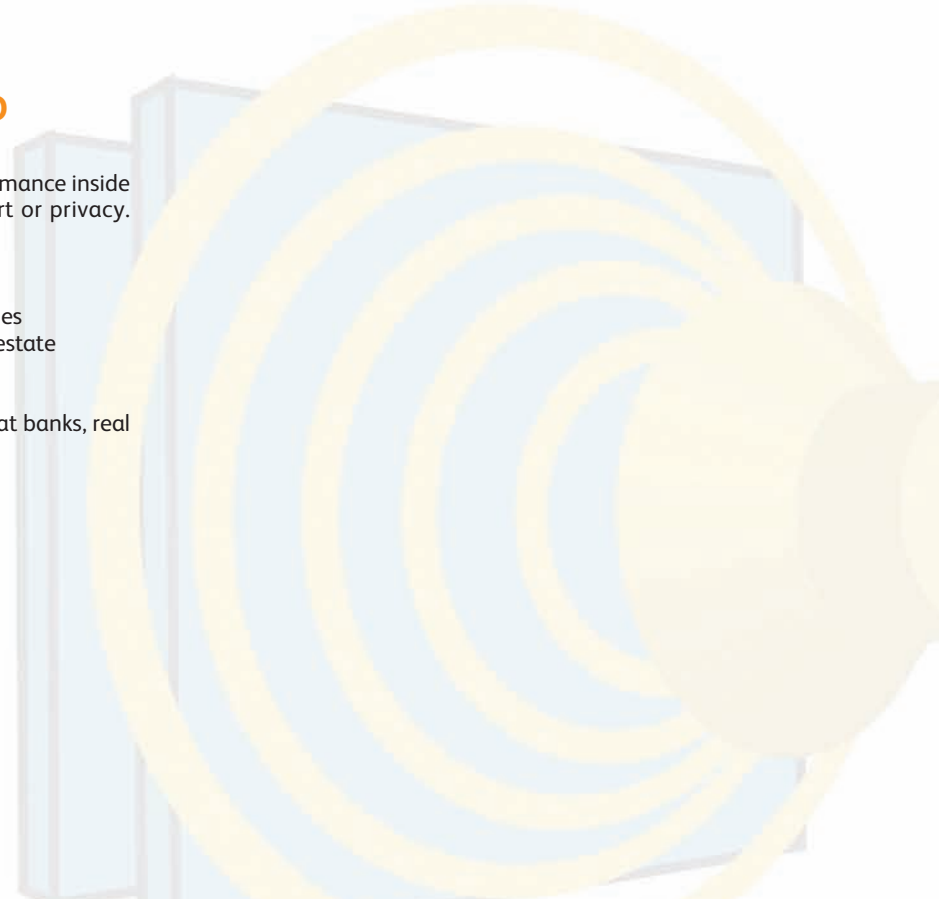
With the development of **Acoustic Control Glass** interlayers, Glasscraft has raised the acoustic performance of glass to new levels while preserving other benefits associated with lamination.

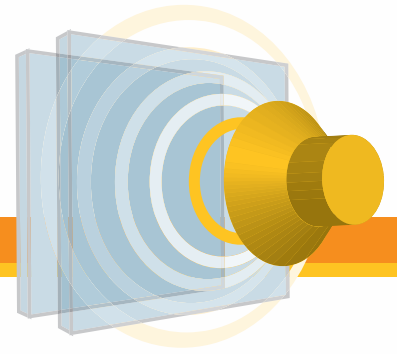
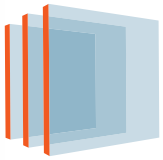
The new interlayer focuses on sound deadening (damping) performance at frequencies most objectionable to humans: in the range of 1,000 to 3,000 Hz. Examples of noises that fall within this frequency range include:

- Jet engines
- Tire noise, especially on wet pavement
- Electrical motors, fans, blowers
- Lawn and garden equipment
- Dogs barking
- Musical instruments
- Human voices

By reducing the transmission of these noises through glass, Glasscraft interlayers significantly improve glass performance as a sound barrier.

For comprehensive noise control design, proper glass selection is typically accompanied by attention to the materials and insulators used in window framing and attachment systems.





### TECHNICAL PRODUCT INFORMATION

#### GLASSCRAFT ACOUSTIC CONTROL GLASS

#### ROLL DIMENSIONS

CALIPERS	LENGTH(S)	MAX WIDTH
0.76mm ( 30mil)	250m (820ft) 500m (1640ft)	245cm (96in)
1.00mm (40mil)	166m (546ft) 330m (1082ft)	245cm (96in)
Packaging & Separating	All interleaved and refrigerated All returnable metal crates or one way Wooden packaging	
Colors	Clear	
Impact Tests	Caliper 44.2, Passing P1A Caliper 44.3 Passing P2A	
UV Transmission	3.2 – 3.8 % (40 Mil with lab clear glass)	
Light Transmission	more than 88 %	
Acoustic Performance	RW: 37 db for 44.2 constructions with Glasscraft Per EN717	
Mechanical Data *		
Tensile Creep (log %) @ 65oC /23 % RH	1.58-1.81	
Stiffness @20 oC/23 % RH	1.0-2.6mpa (140-380 psi)	
Tensile Strength @20oC/23 % RH ASTM D412	22.2-24.9 mpa (3215-3612psi)	
Elongation @ failure ASTM D412 ( %)	340-360	

(\* ) Mechanical data for 40 Mil (1MM)