PRODUCT INFORMATION

DuPont™ SentryGlas® Acoustic™

safetyglass interlayer

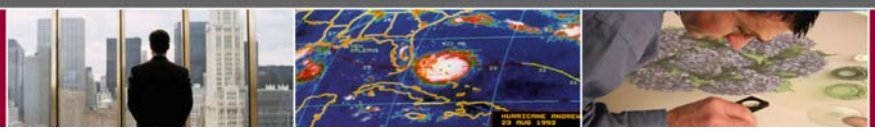
for design of quieter, more comfortable interior spaces

DuPont™ SentryGlas® Acoustic™

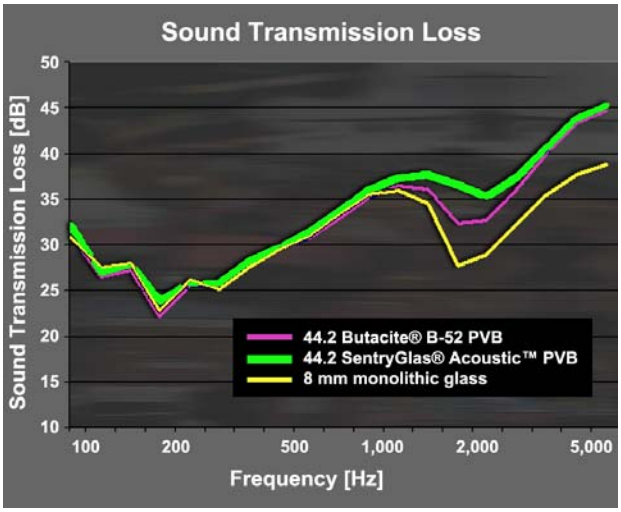
architectural glass laminating interlayer

DuPont Glass Laminating Solutions

Product Information



Introducing a new choice in safetyglass technology for customers who demand quieter, more comfortable environments



At frequencies of about 900 Hz and above, glass made with DuPont™ SentryGlas® Acoustic™ interlayer reduces sound transmission by as much as 10 decibels.

Protect more than just property

New DuPont™ SentryGlas® Acoustic™ interlayers help create windows that protect more than just people and property. They also protect the quality of life in interior spaces, by making them quieter and more comfortable.

Compared with monolithic glass of the same thickness, laminated safetyglass made with a SentryGlas® Acoustic™ interlayer reduces mid-frequency noise sensation by about one half.

That means better value for residential consumers who want to enjoy television, music, or just quiet times at home. It means more professionally designed theater and entertainment venues. And improved privacy spaces, for home-based businesses, medical clinics, counseling rooms or professional practices.

Less noise, less stress

Studies show that people are more productive, more creative and more comfortable ... even healthier! ... when unwanted noise is reduced. Residential and commercial acoustic safetyglass opportunities 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

Improved privacy

Even when outside noise is not a nuisance, acoustic performance inside a room or building can be highly valued. Interior building opportunities include glass in:

- 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

Designing for acoustic performance

Creating a quieter, more comfortable building starts with a focus on windows, the most vulnerable source of unwanted noise intrusion.

Laminated glass windows are a great way to reduce noise and enjoy greater energy-efficiency. Because of its

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multilayered construction, laminated glass provides increased barrier to sounds, while creating and protecting surfaces of the glass for beneficial solar energy control treatments such as low-emissivity coatings.

With SentryGlas® Acoustic™, DuPont has advanced the acoustic performance of laminated glass to a new level versus traditional interlayers and monolithic glass by introducing a new polymer specific to noise control.

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, SentryGlas® Acoustic™ interlayers significantly improve glass performance as a sound barrier.

Additional sound-control design measures include attention to the materials and insulators used in window framing and attachment systems.

To learn more about laminated glass made for acoustic performance, contact DuPont or a window company or glazing contractor and ask about SentryGlas® Acoustic™.

Technical product information

DuPont™ SentryGlas® Acoustic™

ROLL DIMENSIONS

Calipers	Length(s)	Max. width
0.76 mm (30 mil)	250 m (820 ft) 500 m (1640 ft)	245 cm (96 in.)
1.00 mm (40 mil)	166 m (546 ft) 330 m (1082 ft)	245 cm (96 in.)
1.14 mm (45 mil)	166 m (546 ft) 330 m (1082 ft)	245 cm (96 in.)

PACKAGING AND SEPARATING	All interleaved and refrigerated. All returnable metal crates or one-way wooden packaging
COLORS	Clear (contact DuPont for other colors)
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	> 88%
ACOUSTIC PERFORMANCE	Rw : 37 dB for 44.2 constructions with SentryGlas® Acoustic™ per EN 717

MECHANICAL DATA(*)

TENSILE CREEP (log %) @65ºC / 23%RH	1.58-1.81
STIFFNESS @20ºC / 23%RH ASTM D412	1.0-2.6 MPa (140-380 psi)
TENSILE STRENGTH @20ºC / 23%RH ASTM D412	22.2-24.9 MPa (3215-3612 psi)
ELONGATION @ failure, ASTM D412 (%)	340-360

(*) Mechanical data for 40 mil (1 mm).

For more information about DuPont™ SentryGlas® Acoustic:

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