

DuPont™ SentryGlas® Expressions™ Frequently Asked Questions

What is SentryGlas® Expressions™?

SentryGlas® Expressions™ is the technology enabling you to create custom colors, and personalized designs, patterns, text, logos, or photographs in laminated safety glass.

How does the technology work?

DuPont prints the custom images on an interlayer, which is then laminated in-between two pieces of glass.

Does DuPont manufacture the finished decorative glass?

No, DuPont works with a network of qualified glass manufacturers (laminators) to laminate the finished glass structure.

How does the process work?

- 1) Architects or designers...
 - a. Create the custom concept
 - b. Specify the glass construction, sizes, and numbers of images/panels
 - c. Submit print ready files to the glass laminator (or possibly to DuPont)
- 2) DuPont digitally prints the custom images on interlayers.
- 3) Qualified glass manufacturers laminate the printed interlayers in-between the specified glass sandwich.

How much does laminated glass with SentryGlas® Expressions™ cost?

DuPont does not produce the final glass product; therefore, pricing must come from the glass manufacturer. As with any project, pricing is dependent on size of job, complexity of design and final glass construction.

How can I get a price estimate quickly?

If the client is not already working with a glass laminator, DuPont can facilitate price discussions with a qualified glass manufacturer. Please provide key information such as project name, number and size of images/panels and specified glass constructions.

How does the product weather?

DuPont SentryGlas® Expressions™ has excellent weathering because of three factors:

- 1) Glass – keeps moisture, oxygen and pollutants away from the print
- 2) Interlayer – blocks up to 99% of the ultraviolet radiation
- 3) Inks – are formulated to be long-lasting and fade resistant

Are there any warranties?

Yes, DuPont offers a warranty against fade resistance. Qualified glass manufacturers offer a warranty on the final laminated glass construction.

What are the minimum and maximum sizes available?

Typically, no size is too small. The interlayer can be printed up to 94” width by 168” length. Greater lengths may be considered with approval by DuPont and the glass laminator.



DuPont™ SentryGlas® Expressions™ Frequently Asked Questions

How do I know if my images are print ready?

A basic rule of thumb is 150 ppi (pixels per inch) are required at the final size of the image. As a reference, images from a website have 72 ppi and are roughly 2” x 2”.

What does “backing” mean?

DuPont has three “backing” options to print an image on:

- Clear – See through where there is no printing
- Soft White (80% Light Transmission) – Light-etched look with no printing
- Translucent White (65% Transmission) – Heavier etched look with no printing

What are the benefits of laminated safety glass?

There are multiple benefits of using laminated safety glass. By code, it is a safety glass. Architects have used laminated glass for years to improve security, reduce sound, and lower ultraviolet radiation. New uses include solar control, structural benefits, bomb blast protection and unique decorative applications.

How do I get samples?

There are several sources of samples:

- 1) General samples can be requested from DuPont or a qualified laminator.
- 2) Custom samples can be produced; please contact DuPont to determine custom pricing for your specific application.

Where is SentryGlas® Expressions™ being used?

Basically, everywhere! Popular applications include wall partitions, windows, doors, floors, sky lights, facades, and art installations. Please see the small sample of case histories in the SentryGlas® Expressions™ Applications Quick Glance Sheet or visit websites of www.dupont.com/safetyglass or www.laminatedglassnews.com.

Where can I get more answers?

Depending on your question, there are several sources of information:

- 1) Informative Websites:
 - A) www.dupont.com/safetyglass (Look for SentryGlas® Expressions™ Section)
 - B) www.laminatedglassnews.com
- 2) Contact your local glass representative
- 3) Contact your local DuPont representative

Disclaimer: The technical data contained herein are guides to the use of DuPont materials. The advice contained herein is based upon tests and information believed to be reliable, but user should not rely upon it absolutely for specific applications because performance properties will vary with processing conditions. It is given and accepted at user's risk and confirmation of its validity and suitability in particular cases should be obtained independently. The DuPont Company makes no guarantees of results and assumes no obligations or liability in connection with its advice. This publication is not to be taken as a license to operate under, or recommendation to infringe, any patents.

