



# DuPont Encapsulation Offerings

## DUPONT™ SENTRYGLAS® PLUS INTERLAYERS

### Options for solar cell encapsulation-- SENTRYGLAS® PLUS

#### Introduction

DuPont™ SentryGlas® Plus interlayer is the latest in a long line of products offered by DuPont for use in laminated safety glass. SentryGlas® Plus interlayer technology has passed demanding hurricane protection codes in southern Florida. It offers five times the tear strength and 100 times the rigidity of traditional laminated glass interlayer.

In addition, SentryGlas® Plus can be formulated without UV-inhibitors so that UV rays can pass through the cells and increase their efficiency.

#### Photovoltaic Application

SentryGlas® Plus laminates are proposed for the photovoltaic systems installed in extreme conditions where the following features are required:

- Stronger laminates
- Lower deflection
- High tear strength
- Low creep
- Impact and structural performance over a wide temperature range
- Superior post breakage properties
- Improved edge stability
- High clarity

#### Safety

Laminated glass doesn't shatter like ordinary glass. The tough, clear interlayer absorbs impact, resists penetration, and remains intact even if broken, holding glass fragments in place and lowering the risk of injury. Global building standards increasingly specify stricter safety requirements, especially for overhead glazing where any breakage could mean a major hazard from falling glass. Glass made with SentryGlas® Plus interlayers easily meet these requirements.

#### Security

Laminated glass resists intrusion because the interlayer continues to safeguard the building even after the glass itself is broken. Security glass can't be cut from only one side, so ordinary glass cutters are useless as break-in tools. Depending on thickness, security glass laminated with DuPont interlayers can protect against bomb blasts and resist bullet penetration from high-powered rifles.

#### Durability

Laminated glass retains its color and strength for the life of the building, yet is as easily cleaned as any conventional glass. Unlike film overlays or other stick-on window protection, laminated interlayers from DuPont are built right in at the glass factory, staying permanently in place and resisting peel or delamination.

#### Low Visible Distortion

Laminated glass is usually glazed in an annealed form, which avoids the distortion caused by the "roller waves" in tempered and heat-strengthened glass. The result is outstanding optical clarity and beauty.



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For more information on SentryGlas® Plus interlayers or other DuPont Photovoltaic Solutions, please contact your local representative:

### Europe

DuPont de Nemours (France) S.A.S.

Michel Gallizia

Défense Plaza

23/25, rue Delarivière Lefoullon

Défense 9

92064 La Défense Cedex

Paris, France

Tel: +33-1-6065-9278

michel.gallizia@fra.dupont.com

### Australia

DuPont Australia

Phil Davies

BPP

49-59 Newton Road & Wetherill Park

NSW 2164

Australia

Tel: +61-2-9923-6104

phillip.s.davies@aus.dupont.com

### Asia

DuPont China Holding Co., Ltd.

Li Guang(L.G.) Fu

15th Floor, Shui On Plaza

333 Huai Hai Road(Central)

Shanghai 200021, China

Tel: +86-21-6386-6366 ext 2304

Li-Guang.Fu@chn.dupont.com

### Americas

DuPont Packaging and Industrial Polymers

Valerie Block

Chestnut Run Plaza 721/2146

Wilmington, DE 19805

USA

Tel: +1-302-999-6650

valerie.l.block@usa.dupont.com

DuPont China Holding Co. Ltd.

Lin Lin (Florence)

15th Floor, Shui On Plaza

333 Huai Hai Central Road,

2000021 Shanghai , China

Tel: +86-21-6386-6366 ext. 2337

Lin.Lin@chn.dupont.com

**[photovoltaics.dupont.com](http://photovoltaics.dupont.com)**

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Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Medical Caution Statement, H-51459 or H-50102-2.



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