

TROSIFOL®

# SENTRYGLAS® XTRA™

## INTERLAYER

## SENTRYGLAS® XTRA™ (SGX™) INTERLAYER

SentryGlas® Xtra™ (SGX™) is the latest generation SentryGlas® interlayer further pushing the limits of optics and transparency.

Demonstrating the Trosifol business' commitment to innovation, new SentryGlas® Xtra™ interlayer continues the 20-year success story of SentryGlas®, giving architects greater confidence in laminate quality and laminators an easier route to market.

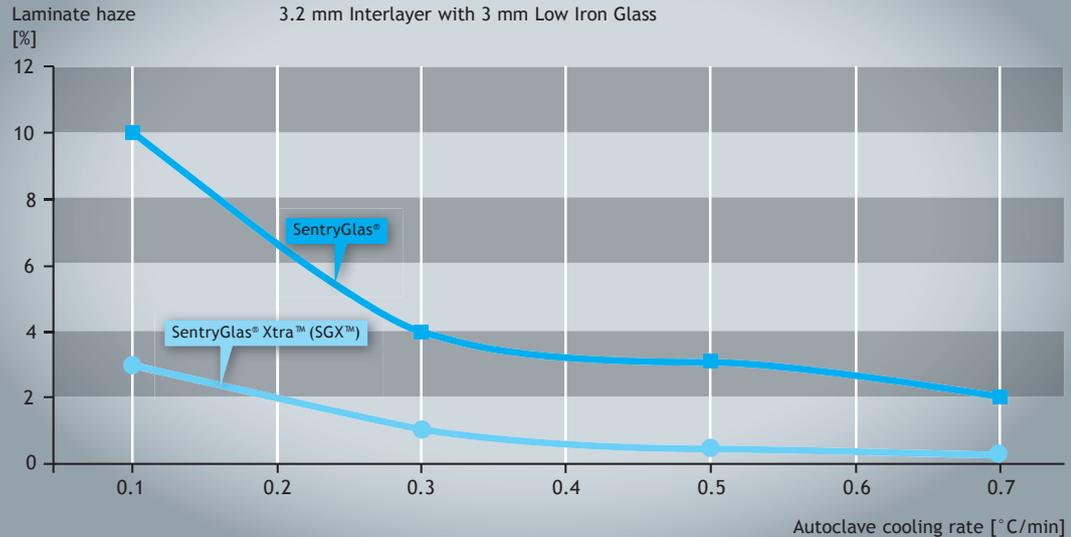
SGX™ interlayers remove a number of processing requirements and improve lamination processing efficiency. Of particular interest to architects and home builders - who want the best optical performance - and glass laminators - who want to deliver quality products - is the reduced risk of haze formation caused by an inadequate cooling rate. Adhesion to the air-side of glass is also significantly improved, with an adhesion promoter no longer required, making multi-ply laminated glass assemblies easier to process.

SGX™ complies with global safety glazing codes such as ANSI Z97.1, EN14449, EN12543, EN12600, EN356 and Safety Glazing Certification Council (SGCC). Properly laminated and installed, SGX™ laminates of 2.53 mm caliper have been tested and pass the large missile impact test per ASTM E 1996. Also SentryGlas® Xtra™ has approved Miami Dade County Product Control Notice of Acceptance (NOA).

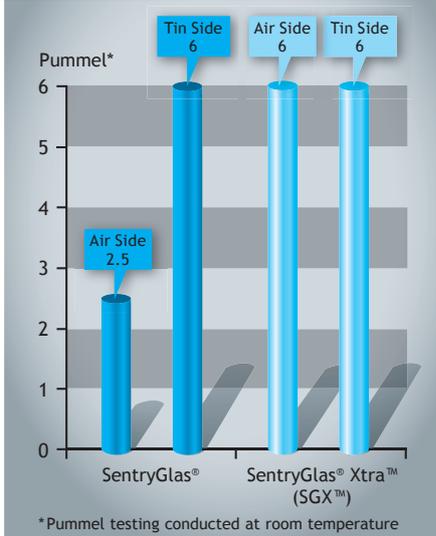
**Advantages of SGX™**

- Robust adhesion to air side of glass without the need for primer
- Haze formation less sensitive to autoclave cooling rate
- Potential to increase autoclave laminate loading
- Greater confidence in consistently achieving the highest optical quality

**Haze less sensitive to autoclave cooling rate  
SentryGlas® Xtra™ vs. SentryGlas®**



**Adhesion less effected by glass orientation**



**Laminate typical properties\***

Property	Method	Value [%]
Light Transmission	EN410 (ASTM G 173-03)	90 (90)
UV Transmission	ISO 9050	< 1
Haze	ASTM D1003	< 1
Yellowness	ASTM D313	≤ 0.3

\*0.89 mm with 4 mm clear glass

**Impact performance**

Test	Laminate construction	Category	Compliance
ANSI Z97.1	0.89 mm (35 mil)/ 3 mm Annealed Glass	Class A Category II/ Class B Category I	Pass
EN12600	0.76 mm (30 mil)/ 3 mm Annealed Glass	1B1	Pass
EN356	0.76 mm (30 mil)/ 3 mm Annealed Glass	P1A	Pass

**Weathering testing**

Test	Compliance
ANSI Z97.1 (3,000 hours Xenon)	Pass
EN12543 4000 hours	Pass



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You can find further information on our Trosifol® products at [www.trosifol.com](http://www.trosifol.com).