

STRATOBEL STRONG

Unique strength, exclusive look

AGC

Your Dreams, Our Challenge



Stratobel Strong is a laminated glass product incorporating a plastic film that is much more rigid than the PVB interlayers usually used in conventional safety and security glazing. Its stronger composition means enhanced mechanical properties. Developed exclusively for AGC, this special PVB film also features a unique, perfectly neutral appearance that does not alter the colour of the glass whatsoever. This is especially noticeable when AGC's highly transparent Planibel Clearvision is used in the Stratobel Strong assembly.

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What's so special about it?	What does this mean for you?
Higher load capacity	– Under certain conditions, the toughening process may no longer be necessary (lower costs, shorter delivery times, improved appearance, etc.) – For certain loads, the thickness of the glass can be reduced, resulting in a thinner, lighter assembly
Inclusion of a PVB interlayer that is 100 times more rigid than a normal PVB interlayer	– Lower glass deflection under load
Strong PVB adhesion to the glass	– Product less sensitive to moisture – Better edge stability, risk of delamination limited – Compatible with a wide range of sealants and adhesives
Excellent neutrality thanks to the exclusive PVB interlayer	– Perfectly transparent and clear, even in very thick versions
Safer post-breakage behaviour	– The glass remains in place even when broken, ensuring safety and security for people and property
Ready-to-use laminated glass, available in DLFs/PLFs	– Optimised process (faster and less costly) – Can be processed just as easily as standard laminated glass
Available in large dimensions, up to 321 x 600 cm	– Allows architects to create large-scale designs
High-quality laminated glass	– Better cutting yield (less waste, greater productivity)
Numerous tests and certifications available Technical support and expertise provided by the TAS (Technical Advisory Service)	– Helps you throughout the design and calculation phases of your project by ensuring compliance with the latest applicable standards and certifications

Technical specifications

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STRATOBEL STRONG	44.2	55.2	66.2	88.2	1010.2	1212.2
Planibel Clearlite LT/EA %	89/16	88/18	87/20	86/23	84/27	83/30
Planibel Clearvision LT/EA %	91/10	91/10	91/10	91/12	91/13	91/14
Edge stability: natural weathering in situ* - UV and humidity mixed, high temperature cycle daily.	26 months without delamination in extreme climatic conditions (4 months for standard PVB)					
Young's modulus (1 Hz at 20°C)	1040 MPa (45 MPa for a standard PVB)					
Shear modulus (1 Hz at 20°C)	300 MPa (3 MPa for a standard PVB)					
Standards EN 356	P2A					
Standards EN 12600	1B1					

* Desert near Miami, Florida, USA - Tested during 56 months

PROCESSING OPTIONS

Stratobel Strong can be processed in all the same ways as other laminated glass products.

AVAILABILITY

Stratobel Strong is available in annealed laminated PLF/DLF sheets that can be cut according to your requirements.

Stratobel Strong is available in a wide range of thicknesses, from 55.2 to 1212.2 (44.2, 1515.2 and 1919.2 on request), and can be assembled with Planibel Clearlite or Planibel Clearvision. Upon request, it is also possible to laminate sheets of Planibel Colour or coated glass products.

Stratobel Strong is also available in a laminated toughened version and in cut sizes from AGC's processing subsidiaries (depending on your order).

For more information, consult the AGC Product Catalogue on **www.agc-yourglass.com**

CERTIFIED cradle to cradle SILVER

STRATOBEL STRONG is Cradle to Cradle Certified™ Silver.

SW9000663 EN - 02/2019

AGC GLASS EUROPE
UNITED KINGDOM: AGC Glass UK - T +44 1788 53 53 53 - sales.uk@eu.agc.com
OTHER COUNTRIES: AGC Glass Europe - T +32 2 409 30 00 - sales.headquarters@eu.agc.com
AGC Glass Europe has representatives worldwide.
See www.agc-yourglass.com for further addresses.