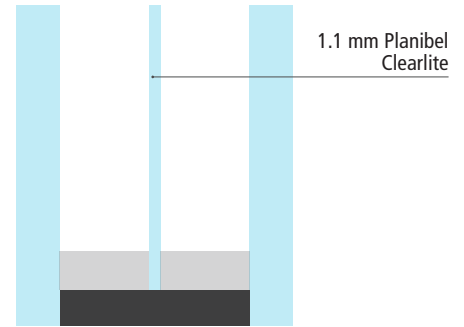


THIN GLASS

for Triple Glazing Units



AGC Glass Europe's **Planibel Clearlite** thin glass is available in 1.1 mm for light Triple Glazing Unit applications. AGC offers a large selection of processing options that can be done in its own facilities. The glass you select will perfectly match your needs.



High quality float glass

What's so special about it?

What does this mean for you?

- | | | |
|-----------------------|---|--|
| Lightweight | – | Ideal for light Triple Glazing Units |
| Perfect flatness | – | Offers excellent optical properties thanks to AGC's industrial float process with rigorous quality control |
| Industrial process | – | Very cost-effective option thanks to production by float process |
| High production yield | – | Available in DLF sizes 321 x 255 cm |

What's so special about it?

What does this mean for you?

- | | | |
|-----------|---|--|
| Buildings | – | Lightweight and thinner TGU assemblies, creative designs, etc. |
|-----------|---|--|

Thin glass can be assembled in TGU (as intermediate glass), but it requires an **adapted IGU line** able of pulling up the intermediate glass few millimeters above the edge of the internal and external glass. This operation allows to "encapsulate" the thin glass completely in the IGU and avoid future impact with external objects (e.g. aluminum frame), that could break the thin glass. **Please contact your cutting table and your IGU line supplier for more information.**

Manipulation of the thin glass needs particular attention at each step of the manufacturing process and must be well evaluated and tested before moving to real production. **AGC recommends automatic handling** (no manual) from cutting table to TGU line.

The AGC team is available to assist in assessing whether your downloading and processing tools are compatible with the production of light TGU units.

Standard TGU VS Light TGU

4 mm (iplus 1.1) / 16 mm 90% Argon / X mm / 16 mm 90% Argon / 4 mm (iplus 1.1)	X = 4 mm	X = 1.1 mm
Light Transmission (%)	74	75
Solar Factor (%)	52	53
U-value (W/sqm.K)	0.57	0.58
Weight (Kg/sqm)	30	22.75
Thickness (mm)	44	41.1

Using 1.1 mm Planibel Clearlite instead of 4 mm Planibel Clearlite in a Triple Glazing Unit means a weight reduction of **7.25 Kg/sqm**.

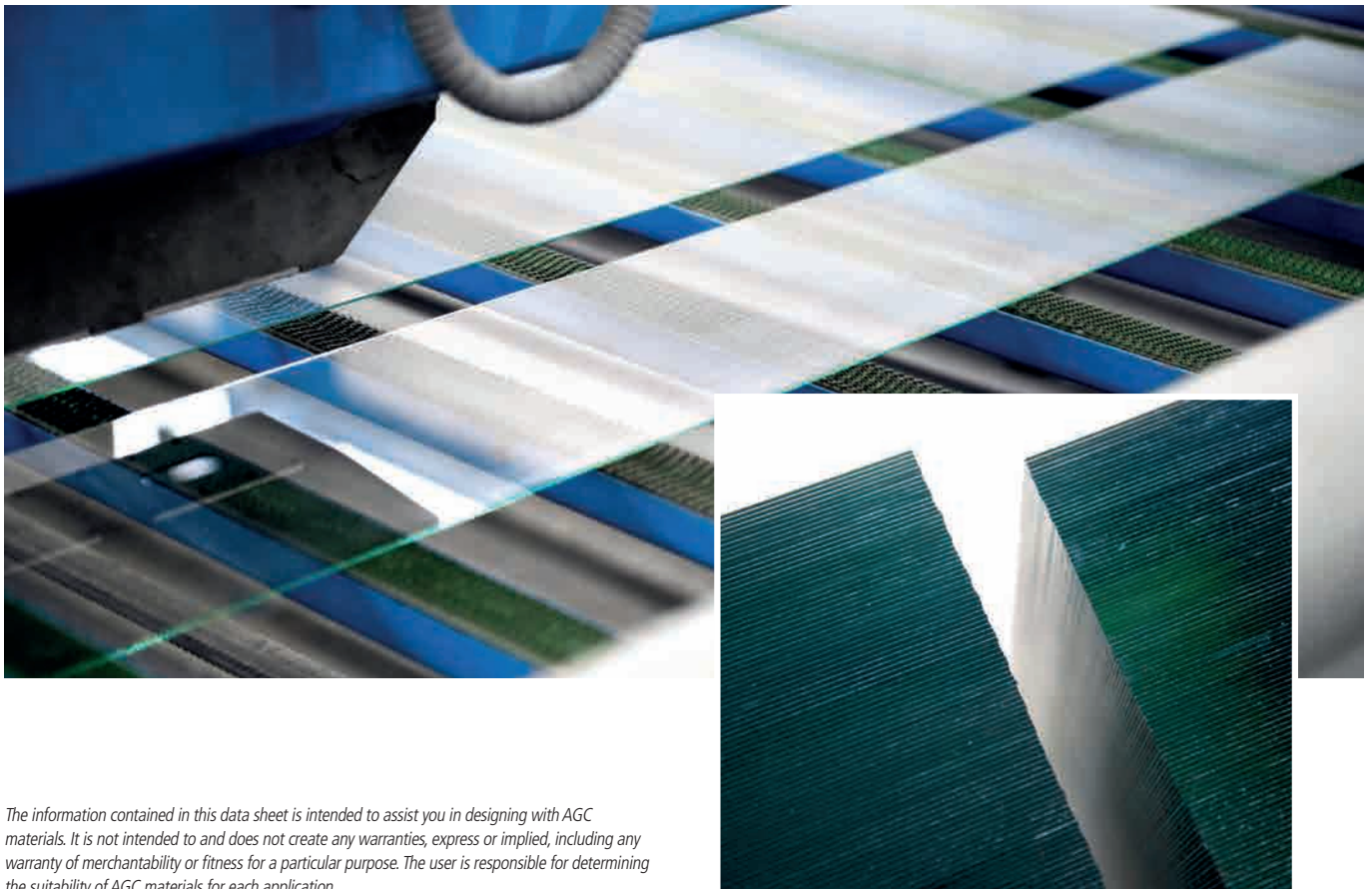
Processing options

Safety	Toughening (chemical)
Cutting	1.1 mm Planibel Clearlite can be cut using a standard glass cutting table, but the cutting table needs a specific cutting set-up (contact your cutting table supplier for more information)

Other smaller sizes (lengths) could be produced On Request (OR) but always in wooden boxes (it is not possible to manipulate as "naked packs").

Availability

Standard thicknesses	Standard tolerance	Dimensions
1.1 mm	+/- 0.05 mm	255 x 321 cm (in wooden boxes)



The information contained in this data sheet is intended to assist you in designing with AGC materials. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose. The user is responsible for determining the suitability of AGC materials for each application.

AGC GLASS EUROPE, a leader in flat glass
 Based in Louvain-la-Neuve (Belgium), AGC Glass Europe produces, processes and markets flat glass for the construction industry (external glazing and interior decoration), car manufacture and other industrial sectors (transport, solar power and high-tech). It is the European branch of AGC, a world leader in flat glass. It has over 100 sites throughout Europe. More information on www.agc-yourglass.com.