

AGC LOW-CARBON GLASS

Our glass range with a reduced carbon footprint

NEW VALUES GWP & Recycle Content 2026

AGC



Your Dreams, Our Challenge



Different yet the same

— LOW-CARBON GLASS —

What's so special about it?

What does it mean for you?

Same performance and quality as standard AGC glass ranges

— Low-Carbon Glass can replace AGC standard glass without changing the specification as it delivers the exact same technical performance.

Looks exactly the same as standard float glass

— Low-Carbon Glass does not compromise on aesthetics. Looks exactly the same as standard float glass.

Significantly less embodied carbon

— A sustainable produced product. Ideal for low-carbon buildings and for reducing a company's carbon footprint.

— Increased flat glass cullet recycling rate contributing to circularity in the construction sector.

— High Recycle Content.

Easy processing

— Low-Carbon Glass can be processed in the exact same way as standard float glass.

A full product range

— Low-Carbon glass can replace standard glass in all your project and product.



AGC Low-Carbon Glass

- Reduced embodied carbon footprint of 4.8 kg⁽¹⁾ CO₂ eq/m² for 4mm float glass
 > 50% lower than the European average⁽²⁾
- At least 60% recycled content⁽³⁾
- No compromise on performance and aesthetics
- Available in a wide range of products and thicknesses
- Third party verified EPD available on our EPD Generator

1 Global Warming Potential (GWP) is expressed in kg CO₂eq./m² for Cradle to Gate (A1-A3) as defined in EN 15804+A2:2019; the average GWP value Cradle to Gate (A1-A3) for architectural glass in Europe was 10,3 kg CO₂eq./m² for 4 mm thickness in 2025, this value is taken from third-party verified EPD published by each glass producer in Europe for standard clear glass weighted by the estimated volume of glass produced.

2 For clear glass, based on third-party verified EPD published by each glass producer in Europe valid on 01.06.26.

3 Recycled Content calculated in respect to ISO 14021:2026, according to the Glass for Europe project position paper on a harmonized definition of recycled content in the flat glass sector, excluding any process and internal cullet.

AGC Low-Carbon Glass is available as



Monolithic clear float glass — Low-Carbon Planibel Clearlite



Laminated safety and acoustic glass — Low-Carbon Stratobel (with low carbon PVB incorporated) and Low-Carbon Stratophone



Thermal insulation glass — Low-Carbon iplus 1.1 and Low-Carbon iplus 1.0



Solar control glass — Low-Carbon Stopray and Low-Carbon Energy

- Available in thicknesses ranging from 3 mm to 8 mm
- Available for coatings in Low-Carbon T version
- Can be assembled into DGUs and TGUs (Low-Carbon Thermobel)
- Available in many other AGC product ranges (Pyrobel, ...)

**Thanks to the Environmental Product Declaration (EPD) Generator
fully integrated into the Glass Configurator, obtain the verified EPD
for standard and Low-Carbon Glass**

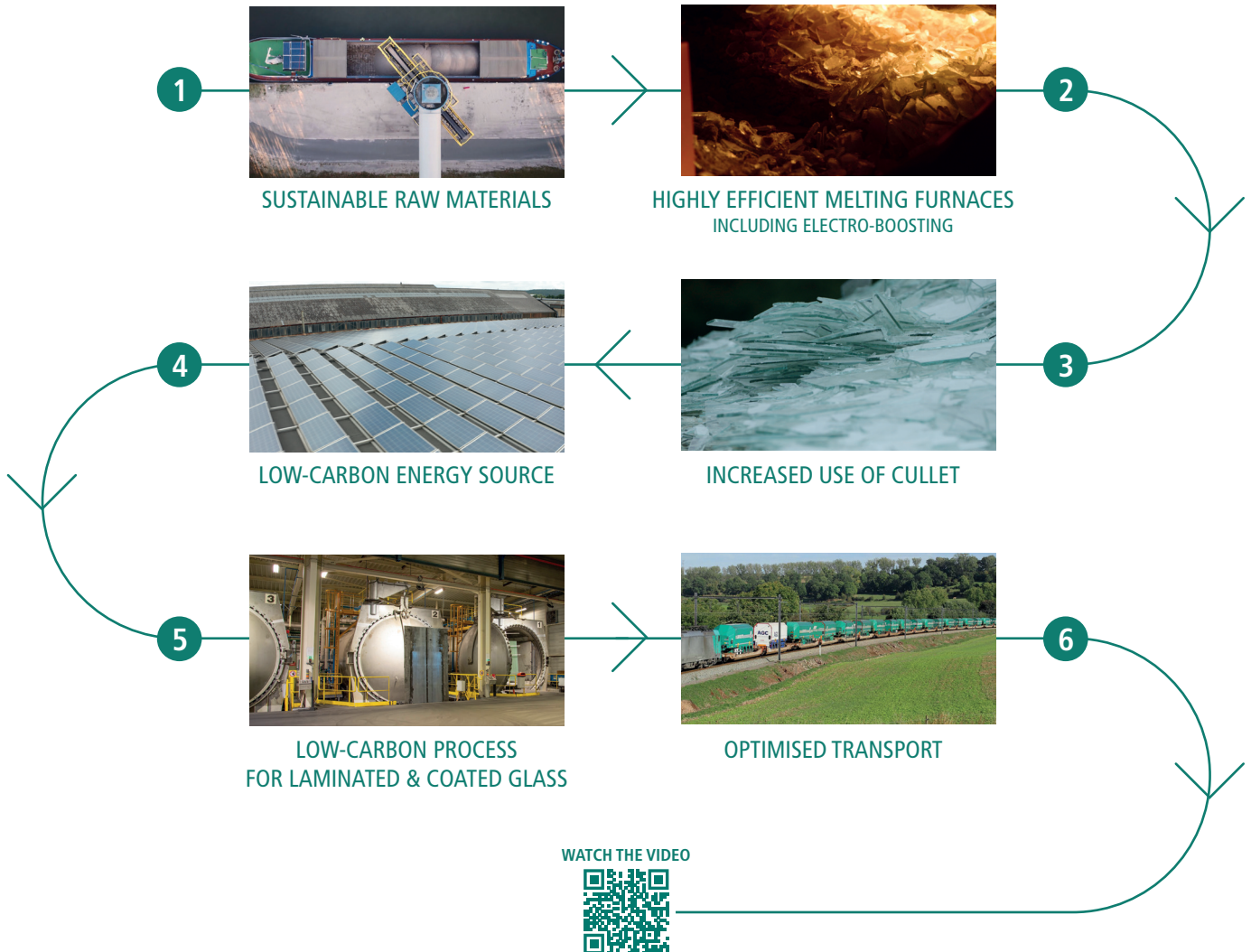
Global Warming Potential (GWP)	Cradle to Gate: A1-A3 value [kg CO ₂ eq/m ²]		
	AGC Low-Carbon Glass (verified EPD)*	AGC standard glass (verified EPD)*	% reduction
Low-Carbon Planibel Clearlite - 4 mm	4.8	9.8	51 %
Low-Carbon Stratobel 33.1	9.1	17.8	49 %
Low-Carbon Stratobel 44.2	12.9	25.1	49 %
Low-Carbon iplus 1.1 - 4 mm	5.0	10.1	50 %
Low-Carbon Energy 72/38 - 6 mm	8.0	17.1	53 %
Low-Carbon Stopray Vision range - 6 mm	8.0	17.1	53 %
Low-Carbon Thermobel Vision range - 6/15/4 mm	23.1	41.3	44 %
Low-Carbon Thermobel Energy 72/38 - 6/15/4 mm	23.1	41.3	44 %
Low-Carbon Thermobel iplus 1.1 - 4/15/4 mm	19.2	32.5	41 %

* Global Warming Potential (GWP) is expressed in kg CO₂eq./m² for Cradle to Gate (A1-A3) as defined in EN 15804+A2:2019

Low-Carbon Glass

THE HOLISTIC APPROACH

AGC has tackled CO₂ emissions at every stage in the production process, resulting in drastically lower emissions and an environmentally cleaner product:



To produce Low-Carbon Glass a portion of raw materials is replaced by a high percentage of cullet.

Therefore AGC introduces its Recycle Glass service collecting flat glass wastes from industrial losses and from renovation or demolition projects to be recycled in flat glass production.

