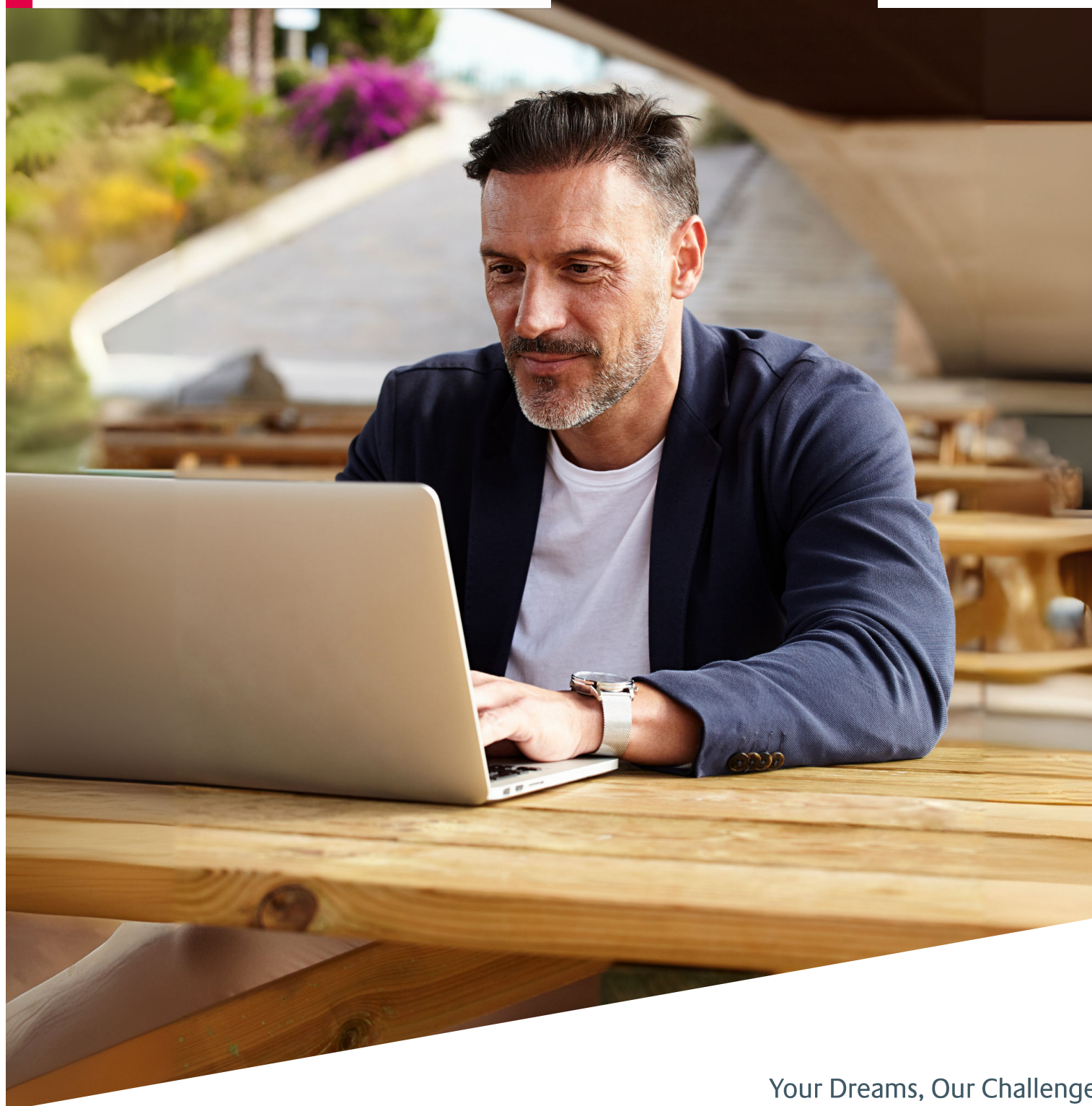


Glass **Configurator**

AGC's **Environmental Product Declaration (EPD)** Generator is now available in the Glass Configurator

The AGC logo, consisting of the letters 'AGC' in a bold, blue, sans-serif font. A small red square is positioned between the 'A' and the 'G'.

Your Dreams, Our Challenge

Environmental Product Declarations (EPD) are a crucial tool for evaluating the sustainable aspect of buildings when assessing the environmental performance, or impact, of building materials and products over their entire lifetime.

AGC's EPD Generator, which is now fully integrated in the AGC Glass Configurator, provides you with easy-to-use guidelines and transparent comparison options regarding the life-cycle assessment of various products.

1

When you configure your glazing, the EPD Generator will automatically calculate the amount of CO₂ eq. linked to the production of that configuration (Global Warming Potential).

4 mm Planibel Clearlite

Restart

Selectivity1.02

ENVIRONMENTAL PROPERTIES

Cradle to Gate – Global warming potential: Module A1-A3 - [kg CO2 eq. /m²] 10.19

THICKNESS AND WEIGHT

Nominal thickness - [mm]4.0

Weight - [kg/m²]10

Pendulum body impact resistance - EN 12600NPD

Explosion resistance - EN 13541NPD

2

You can download the Glass Configurator datasheet including the global warming potential.

1 4 mm Planibel Clearlite Annealed

Glass performance data simulation

Light properties - EN 410

Light transmittance : τv [%]90

External light reflection : ρv [%]8

Internal light reflection : ρvi [%]8

Colour rendering index : Ra [%]99

ENVIRONMENTAL PROPERTIES

Cradle to Gate – Global warming potential: Module A1-A3 : [kg CO2 eq. /m²] 10.19

Thermal properties - EN 673

Thermal transmittance (vertical glazing) : U value [W/(m².K)]5.8

- 2 -

You can also request the calculation of the complete EPD including more than 30 different environmental and resources indicators, providing a detailed and insightful analysis that covers the product's entire life cycle. The EPDs generated by the tool follow the modelling principles set out in European standards EN 15804+A2 and EN 17074, although no third-party verification has been carried out yet.

You can e-mail the EPD to yourselves, colleagues or customers:

The screenshot shows the AGC EPD Generator interface. On the left, under the heading "EMAIL PRODUCT DOCUMENTS", there is a checkbox labeled "Environmental Product Declaration (EPD)" which is checked. Below it is a button labeled "Email files" with an envelope icon. On the right, a "Download" modal is open. It contains a "Language" dropdown menu set to "English", an "Email" input field with a blurred address, and a "Format" section with two options: "EPD in PDF" (checked) and "EPD in XML" (unchecked). A red warning message states: "Warning: the EPD calculation can take several minutes. Your report will be sent to the email address mentioned above as soon as the EPD calculation finishes." At the bottom of the modal are "Send" and "Cancel" buttons. The background shows a partially visible "EMAIL PRODUCT DOCUMENTS" section with a list of footnotes.

Part of the information provided in the EPD will become mandatory information within a construction product's Declaration of Performance and Conformity, as specified in the new Construction Products Regulation (CPR).

Moreover, the EPD is often a crucial element in obtaining sustainability certifications, such as LEED and BREEAM.

AGC's EPD Generator is a timely addition to the suite of tools available in the Glass Configurator, taking its place alongside the Glass Visualiser, the Product Finder, the Glass Thickness Calculator and the Acoustics Tool. These tools collectively empower you to make well-informed decisions which not only align with sustainability goals, without compromising on design or quality, but which will also serve as a basis for generating the digital product passport for the construction sector set to be made mandatory under the new CPR.