



# Build with Guardian Glass

Mapping our digital landscape  
Your guide to finding our tools and services

Photography © Yunus Özkazanç



## Get inspired



### Project locator **NEW** ●

Explore Guardian Glass projects in your area and beyond with Google Street View, and be inspired by the possibilities.

### Showcase projects ●

Discover our showcase projects, captured through the lens of professional photography.

### E-learning ●

Learn the glass fundamentals with our Glass Academy series. A fun and interactive way to become a glass champion – at your own pace!

### Technical resources ●

Design and build with glass with confidence. From the basics to more complex information, our technical notes and videos help you gain a better understanding of glass.

## Select

### PRODUCT ENERGY PERFORMANCE

#### Product energy performance ●

Easily get the thermal and optical properties of standard glazing make-up.

#### Performance Calculator ●

Use the online calculator to make advanced glazing calculations, modelling the thermal, optical, acoustic and embodied carbon values for our glass substrates, coatings and interlayers.

#### Window Glass Customizer ●

Receive personalized glazing recommendations for your home, tailored to your specific needs.

### PRODUCT VISUALIZATION

#### Product visualization ●

View digitally rendered images of a product under various lighting conditions and building set-ups.

#### Sample ordering online service ●

Request a standard or custom make-up sample to see for yourself the reflected and transmitted color of the glass product you have selected.

### Glass Visualizer **NEW** ●

See advanced digital renderings of a product in a realistic building environment. View a close-up or a wide-angle shot showing different angles to see the color impact, with and without direct sunlight. Compare the product's appearance in various lighting conditions and with other products.



### ACOUSTIC PERFORMANCE

#### Acoustic Assistant ●

Estimate the acoustic performance of different glazing make-ups or identify which glazing can meet your sound reduction requirements.

### PRODUCT COMPARISON

#### Product comparison ●

Select up to three products and easily compare their energy performance.

### Digital Glass Selector **NEW** ●

Navigate our architectural glass range and filter the options that can meet your needs based on product performances and aesthetics.



### ENVIRONMENTAL, HEALTH AND SAFETY PERFORMANCE

#### Embodied carbon calculation ●●●

On a product page or in the Performance Calculator, estimate the embodied CO<sub>2</sub> equivalent for a wide number of glazing combinations (for glass components we produce).

#### Environmental Product Declarations, Health Product Declarations, Safety Data sheets, Cradle to Cradle Certified® products

Access transparent and verified information on the environmental, health, and safety profile of a product to better understand its impact on the building you design, and make informed decisions. Our float, laminated and coated glass products manufactured in Europe are Cradle to Cradle Certified Bronze level version 3.1.

## Specify

### Generate BIM files ●●

Generate generic and custom BIM files in Revit and IFC format for standard glazing make-ups from a product page. Via the Performance Calculator in Glass Analytics, generate custom BIM files with very precise glazing make-up details to help craft the final level of detail for construction documents.

### Thermal stress analysis request online form - NEW ●

Ask our glass experts to identify the physical impact of temperature and temperature variations on a glazing unit. Temperature differences impact the glass, while maximum temperature affects the interlayers in laminated glass. Glazing make-up, coating or heat treatment alternatives can be recommended, taking into consideration the regulatory limits set by each country.

### Generate specification documents ●

Copy our prewritten product description directly in your project specification document. Have a Guardian Glass expert review your specification to help you identify the finer details of your project.

### Glass thickness and static calculation request online form - NEW ●

Fill in the form to receive from our glass experts the identification of the physical impact of static loads on glass, varying according to wind, climate, maintenance, barriers, and crowd conditions. Our experts also check whether the static stresses and deformations applied to the glass are compliant with the limit values defined by each country and market regulations. If the glass is deemed non-compliant with safety standards, we will recommend an alternative solution tailored to your needs.

## Get support

*Available at various stages of the project*

### CLARIA™ AI-powered assistant NEW

Access extensive information, receive tailored recommendations, and find answers on everything from glass performance and production to selecting the right products to help comply with regional norms and building codes.

### Technical services team

Our team of glass experts answers your technical questions via email or phone, providing you with the information you need to make informed decisions, whether you are a direct or indirect customer.

### Environmental certifications

Our LEED® Green Associates™ have the latest knowledge about these building principles and practices, offering you expert support to help you meet specific LEED® requirements. They are also in the process of becoming BREEAM® Advisory Professionals (AP - Design & Site) to help you in your decision-making to support your BREEAM goals.

## Order

### Find a supplier ●

Locate a Guardian Glass supplier near you and filter them by their fabrication capabilities.

### CE marking ●

Easily find and print all declared values for our products, demonstrating that they comply with harmonized European Standards and can be freely traded within the European Economic Area.



### E-commerce and Service Portal ●

Oversee nearly every aspect of your account through our online platform, the E-commerce and Service Portal, empowering you to conveniently handle most interactions without needing to contact an individual Guardian employee. Discover how you can place an order, check its status, view your prices, track shipments, manage project agreements, raise enquiries, and more, 24/7.



# Where to find our digital tools and services?



## Website

*Project locator | Showcase projects | Technical resources | Product energy performance | Window Glass Customizer | Product visualization | Sample ordering online service | Product Selector | Product comparison | Embodied carbon calculation | Environmental Product Declarations - Health Product Declarations - Safety Data sheets - Cradle to Cradle Certified® products | Generate BIM files | Generate specification documents | Find a supplier*

[Discover →](#)

## Resource Hub

*E-learning | Technical resources | Performance Calculator | Building Energy Calculator | Acoustic Assistant | Glass Visualizer | Embodied carbon calculation | Generate BIM files | Glass thickness and static calculation request online form | Thermal stress Analysis request online form*

[Explore →](#)



## E-commerce and Service Portal

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