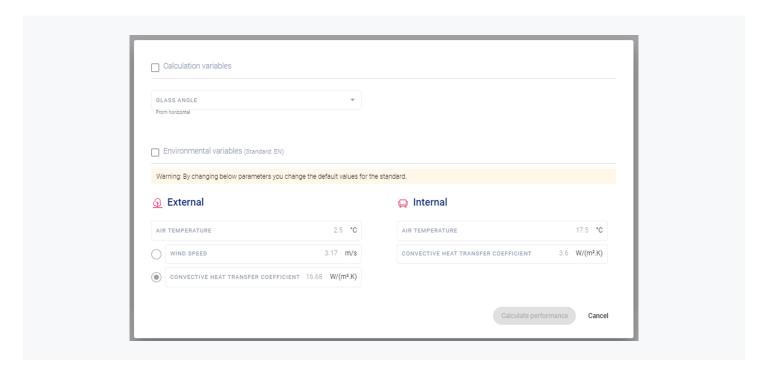


You may already be familiar with the Glass Configurator, which allows you to calculate glazing performance according to four different standards (EN, ISO, JIS and NFRC). But did you also know there is an option you can use to produce calculations that go beyond the default settings?

To access these parameters, simply tick the box located just below the **Performance Standard menu**.



Ticking this box will open a new window where you can adjust various parameters. Please note that this window is only active when you select European (EN) standards for your calculations. If you have selected another standard (ISO, JIS or NFRC) from the **Performance Standard menu**, the window that opens will be empty. In the current version of the Glass Configurator, only the formulas pertaining to EN standards have been updated to accommodate variable parameters.

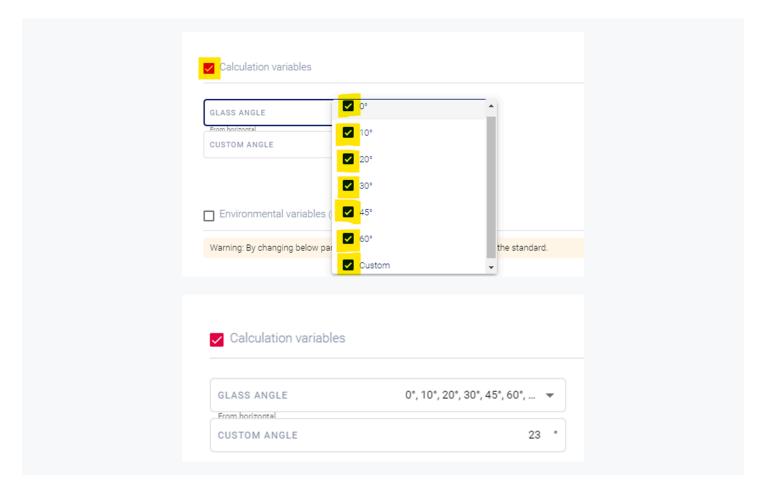


To activate these parameters, you must first select the type of variables you wish to adjust:

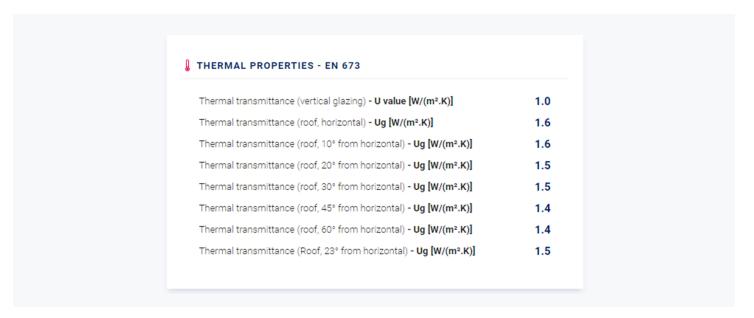
Calculation variables

Environmental variables

Under **Calculation variables**, the only parameter available is glazing inclination angle, which is defined relative to the horizontal plane. You can choose one or more predefined angles or even define a custom angle. When you change the selected angle, only the Ug value (thermal transmittance of the glazing) will be recalculated. Once calculated, each Ug value is shown along with its corresponding angle of inclination. In the example below, all angles have been selected:

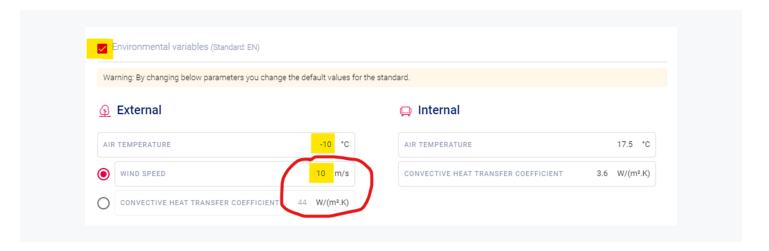


In this example, the custom angle has been set to 23° and the results are displayed as follows:



Under **Environmental variables**, you can define external and internal temperatures (the default settings are 2.5° C and 17.5° C, respectively) as well as the external and internal convection coefficients. Here too, only the Ug values will be recalculated when changes are made to these environmental parameters.

The external convective heat transfer coefficient is directly related to wind speed. You can change either parameter, but not both independently. In the example below, the user changed the external temperature to -10° C and the wind speed to 10 m/s, as a result of which the convection coefficient updated automatically to 44 W/(m²-K).



Once calculated, the user-defined parameters will be displayed and the results presented as shown below. Note that the original Ug value (calculated using the EN 673 default parameters) will always be shown on the results page.

