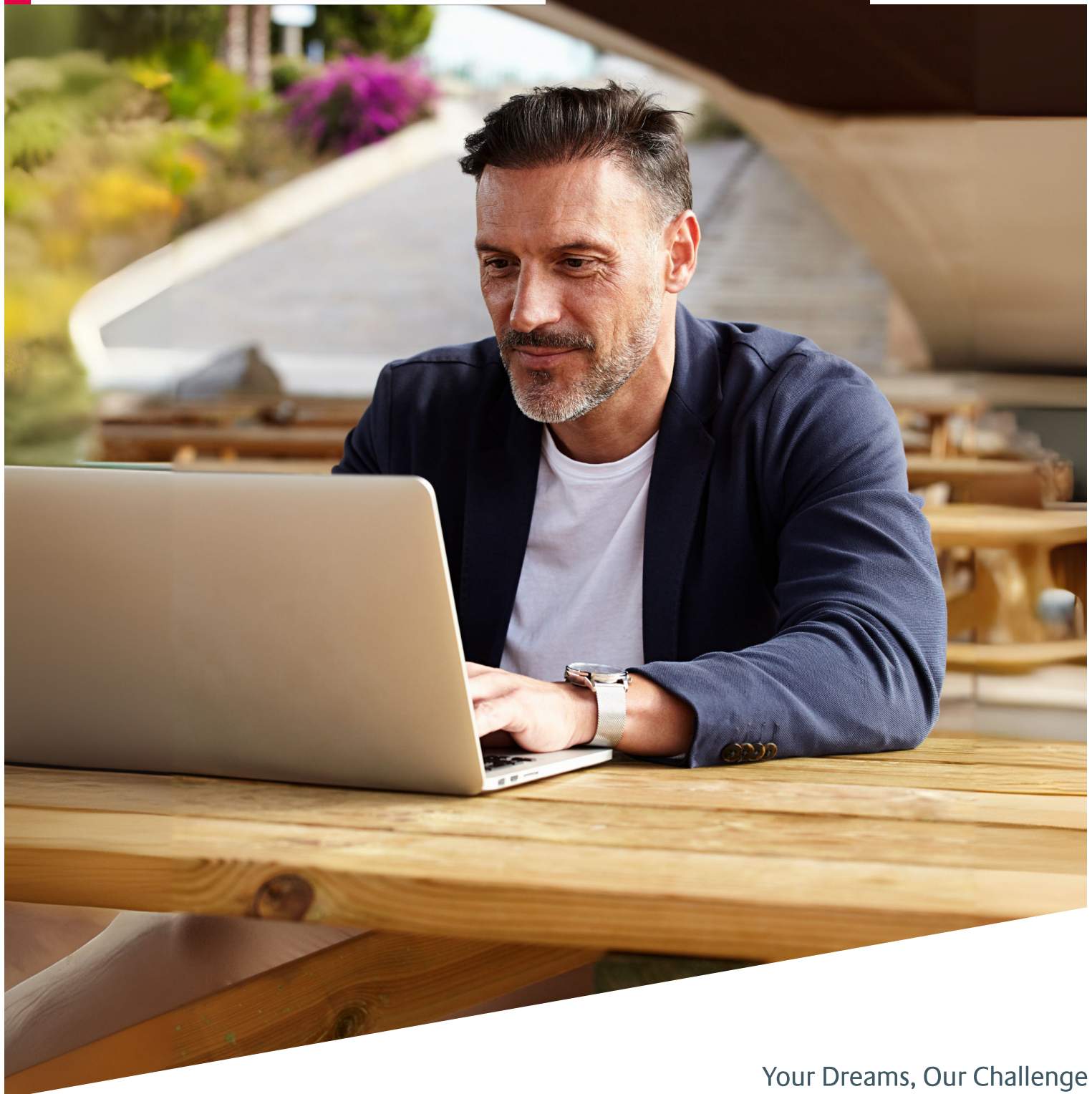# Glass **Configurator**

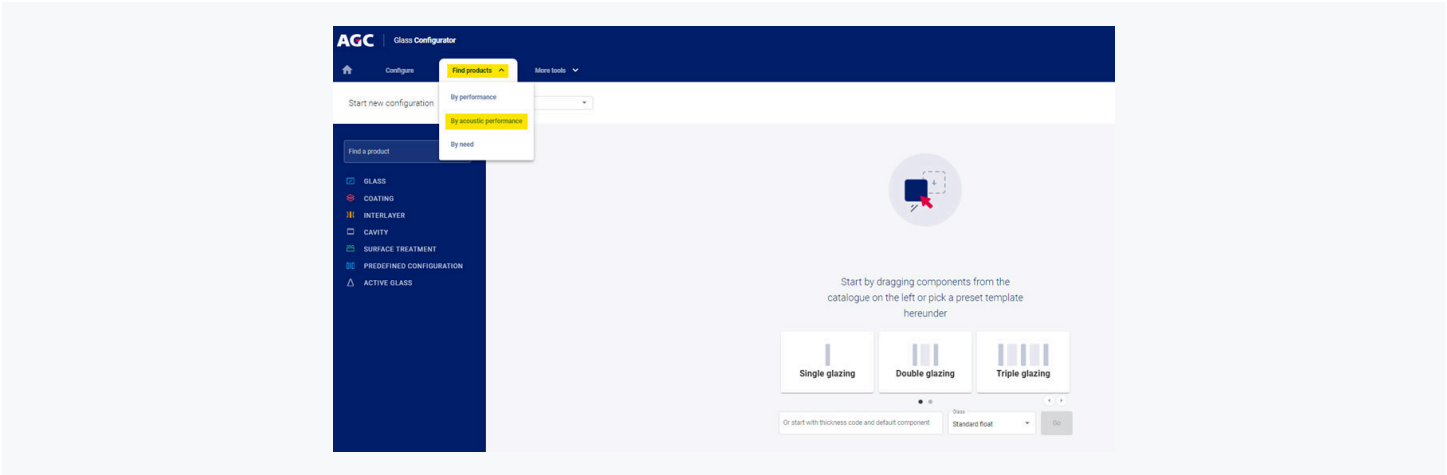The Find Products
by Acoustic Performance

AGC

Your Dreams, Our Challenge

In this issue, we introduce you to a feature that will help you easily find the glass products that perfectly match your acoustic criterias.

Typically, you would use the Glass Configurator to first construct the desired glazing and then calculate its performance. However, if you have specific acoustic specifications to meet and want to avoid having to carry out a sequence of tests to attain the desired acoustic performance, you can immediately search for a solution based on a series of parameters, including acoustic properties, structural characteristics, thicknesses or type of glass panes.

This **Find Products by Acoustic Performance** feature can be found in the second tab in the main menu of the Glass Configurator, located at the upper left of the screen.
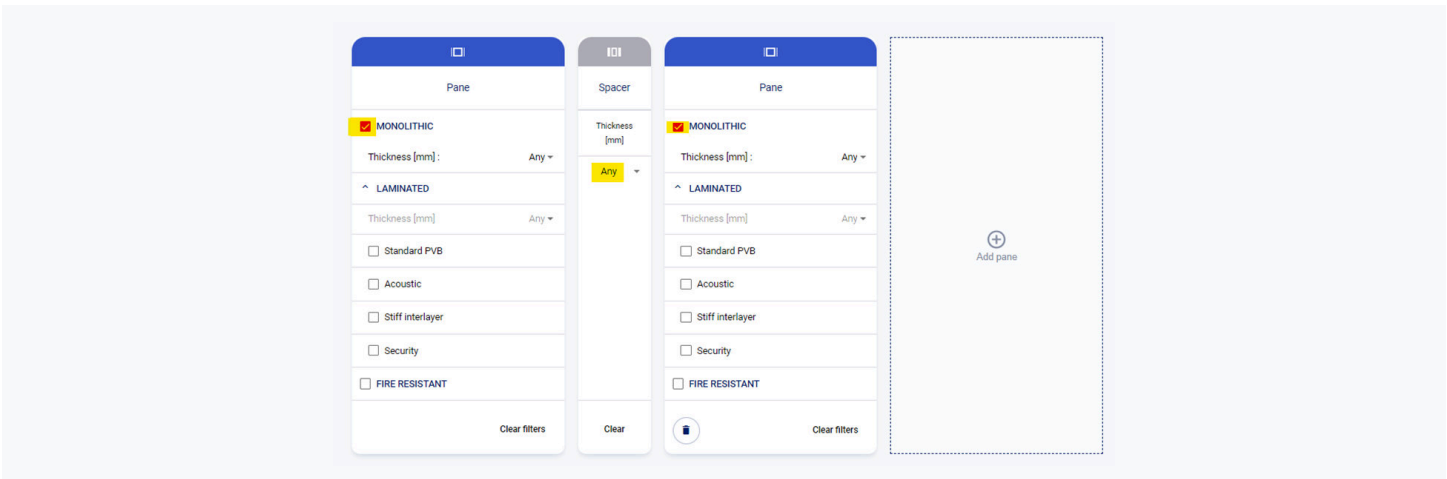

Please note that the acoustic properties of glazing are not affected by certain parameters:

• Type of gas (air, argon or krypton). The impact of the gas on acoustic properties is negligible.
  AGC Glass Europe products always deliver the same acoustic properties regardless of the type of gas used.

• Coating(s)

• Thermal treatment (annealed, heat strengthened or toughened)

That being the case, in our acoustic search tool the search is based solely on the glazing structure that will meet your acoustic specifications. Once the correct structure is found, you can return to the Configure section of the Glass Configurator and add all the other necessary components and parameters to your project (coatings, interlayers, gas, thermal treatment, etc.).

How to configure your acoustic glazing

Start by specifying the structure of the desired glazing. The default selection is double glazing consisting of two monolithic glass panes, with the thickness of the gas cavity unspecified.

You can change the default selection to easily modify the structure you want to search for:

- Add or remove a glass pane to search for a solution in triple glazing or single glazing.
- Select the precise thicknesses for the glass panes and spacers.
- Include standard, acoustic or safety laminated glass (Stratobel, Stratophone, Stratobel Security).
- Include fire-resistant glass (Pyrobel, Pyrobelite, Pyrobel-T).

Next, if you have specific criteria for acoustic properties or for the total thickness of the glazing unit you want to search for, you can easily define them using the four filters shown below:

Once you've defined all the criteria and have run the search, you will see a table presenting all possible solutions.

You can then further refine your search criteria using filters that directly affect the product list and select those that suit you. You can even download a report giving the acoustic properties of all selected products.

Acoustic performance results

		Interpolated values				
Structure ↕	Total thickness [mm] ↕	Rw [dB] ↕	Rw+C [dB] ↕	Rw+Ctr [dB] ↕	Export to PDF	
Any	Any	Any	Any	Any		
8 - 15 - 8	31	35	33	30	☐	
5 - 15 - 8	28	37	36	33	☐	
10 - 15 - 8	33	38	36	34	☐	
4 - 15 - 8	27	37	35	32	☐	

You can also select a specific solution and use it as the basis to immediately configure the complete glass product. To do this, simply click on the desired structure and you will be redirected to the Glass Configurator.

Acoustic performance results

		Interpolated values				
Structure ↑	Total thickness [mm] ↑	Rw [dB] ↑	Rw+C [dB] ↑	Rw+Ctr [dB] ↑	Export to PDF	
Any	Any	Any	Any	Any		
8 - 15 - 8	31	35	33	30	☐	
5 - 15 - 8	28	37	36	33	☐	
10 - 15 - 8	33	38	36	34	☐	
4 - 15 - 8	27	37	35	32	☐	

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