

Nr.  
 Unique identification code of product-type  
 Trademark **12 mm Planibel Clearvision Annealed**  
 Intended use/es **Basic soda lime silicate glass intended to be used in buildings and construction work**  
 Manufacturer **AGC Glass Europe - Avenue Jean Monnet 4 - 1348 Louvain-la-Neuve - Belgium**  
 Harmonized standard **EN 572-9:2004**  
 Notified body/ies **0336 1154 1174**

## Declared performance/s

Essential characteristics	AVCP systems	Performance
<b>Safety in case of fire</b>		
Resistance to fire	1	NPD
Reaction to fire	3, 4	A1
External fire performance	3, 4	NPD
<b>Safety in use</b>		
Bullet resistance	1	NPD
Explosion resistance	1	NPD
Burglar resistance	3	NPD
Pendulum body impact resistance	3	NPD
Resistance against sudden temperature changes and temperature differentials : [K]	4	NPD
Wind, snow, permanent and imposed load resistance	4	NPD
<b>Protection against noise</b>		
Direct airborne sound reduction : $R_w$ (C;Ctr) [dB]	3	35 (-2;-3)
<b>Energy economy and heat retention</b>		
Thermal properties : U value [W/(m <sup>2</sup> .K)]	3	5.5
Light transmittance : $\tau_v$	3	0.91
Light reflectance : $\rho_v / \rho'_v$	3	0.08 / 0.08
Solar direct transmittance : $\tau_e$	3	0.88
Solar direct reflectance : $\rho_e / \rho'_e$	3	0.08 / 0.08

NPD: No Performance Determined

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) N° 305/2011, under the sole responsibility of the manufacturer identified above. Signed for and on behalf of the manufacturer by:

(name and function)	At (place) on (date of issue)	(signature)
Enrico Ceriani Vice President Primary Glass Building & Industrial Division	Louvain-la-Neuve 25/01/2024	

## 1 12 mm Planibel Clearvision Annealed

### Glass performance data simulation

#### wb\_sunny Light properties - EN 410

Light transmittance : $\tau_v$ [%]	91
External light reflection : $\rho_v$ [%]	8
Internal light reflection : $\rho_{vi}$ [%]	8
Colour rendering index : Ra [%]	99

#### battery\_charging\_full Energy properties - EN 410

Total solar energy transmittance : $g$ [%]	89
External energy reflection : $\rho_e$ [%]	8
Internal energy reflection : $\rho_{ei}$ [%]	8
Direct energy transmission : $\tau_e$ [%]	88
Total energy absorption : $\alpha_e$ [%]	4
Shading coefficient : SC	1.02
UV transmission : $\tau_{uv}$ [%]	78
Selectivity	1.02

#### thermometer\_quart Thermal properties - EN 673

Thermal transmittance (vertical glazing) : U value [W/(m <sup>2</sup> .K)]	5.5
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#### volume\_up Acoustic properties

Direct airborne sound reduction - EN 12758 : $R_w$ (C;Ctr) [dB] 1	35 (-2;-3)
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#### security Safety properties

Resistance to fire - EN 13501-2	NPD
Reaction to fire - EN 13501-1	A1
Bullet resistance - EN 1063	NPD
Burglar resistance - EN 356	NPD
Pendulum body impact resistance - EN 12600	NPD
Explosion resistance - EN 13541	NPD

#### line\_weight Thickness and weight

Nominal thickness : [mm]	
Weight : [kg/m <sup>2</sup> ]	12.0
	30

1. The sound reduction indexes correspond to glazing with dimensions 1230 mm by 1480 mm according to EN ISO 10140-3 and are tested in laboratory conditions. In-situ performances may vary according to the effective glazing dimensions, supporting system, installation, environment, noise sources etc. The accuracy of the given indexes is +/- 1 dB.



Glass Configurator  
 Calculation software verified by INISMA  
 EN 410 and EN 673  
 Report n° 2018B COU 35741



Several AGC products are now available in Low-Carbon Glass version. The Low-Carbon Glass version does not affect the properties of the above glass configuration. For more info about the AGC Low-Carbon Glass range, please visit our YourGlass page.

The AGC Glass Configurator is a simulation tool providing a performance analysis for the limited purpose of assisting the user in evaluating the performance of the glass configuration identified in this report. The interpolated performance is only applicable for glass products manufactured or processed by AGC. It does not replace an official Declaration of Performance and therefore may contain some variations, although AGC has made every effort to verify the reliability of this simulation tool. The user assumes any risk relating to the results provided by the tool and is solely responsible for the selection of the appropriate glass configuration for the user's application.

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