

ECLAZ®



Description

ECLAZ, OPENS NEW FRONTIERS FOR DOUBLE AND TRIPLE GLAZED WINDOWS

Aesthetic, thermal insulation, solar gains, natural light, ECLAZ enables to achieve the highest energy efficiency requirements and the comfort of the occupants, without compromise.

TAKE A DECISIVE ADVANCE IN CURRENT & FUTURE SMART BUILDING

Windows made with ECLAZ offers the opportunity to contribute positively to the energy-saving challenge of building, taking into account the growing concern for indoor comfort as we spend 90% of our time inside.

ECLAZ IS EPD VERIFIED !



- ✓ Environmental impacts assessed (Life Cycle)
- ✓ Environmental Product Declaration verified

Visit our webpage <https://www.saint-gobain-glass.com/EPD-verified> consecrated to EPD.

RANGE

ECLAZ ONE

For very high performance double glazed windows.

- 10 % additional thermal insulation in comparison to standard double glazed windows.
- 10 % relative gain of natural light access versus best Ug 1.0 glazing product on the market.
- Neutral aesthetic with a low external reflection.

ECLAZ

Adapted for double or triple glazed windows in mild climate.

- Relative solar factor gain of 10% compare to the best available triple glazing solution and relative solar factor gain of 10% compare to the best available double glazing.
- Such unequalled solar gains and light transmission enable to reach the best energy efficiency for cold and mild climates.
- Neutral aesthetic with a low external reflection.

ECLAZ et ECLAZ ONE are both available in 6 000 x 3 210 mm, with thickness of 4, 6, mm and standard laminated composition.

Other dimensions, thickness please contact your Saint-Gobain sales representative.

Exists in toughenable versions in above thicknesses.

APPLICATIONS

ECLAZ ONE is the best insulative glass that is possible to make industrially. In double glazing, it can reach the value of $U_g = 1,0 \text{ W}/(\text{m}^2.\text{K})$ into a composition 4-16 argon-4 mm with 60% of solar gain and 80% of light transmission.

ECLAZ ONE is particularly well adapted for double glazing , for new building range.

ECLAZ is perfect for triple glazing, mainly in new construction, residential and non residential. It can reach the value $U_g = 0,5 \text{ W}/(\text{m}^2.\text{K})$ with the highest solar gain of the market (up to 60%). You can also use ECLAZ for double glazing with $U_g = 1,1 \text{ W}/(\text{m}^2.\text{K})$ into a composition of 4-16 argon-4 mm with 71% of

solar gain.

PROCESSING

Processing guidelines for ECLAZ and ECLAZ One are the same as a standard low-e coating. For more technical information, please refer to ECLAZ processing guidelines documents.

PERFORMANCE

DGU values calculated with Clear Substrate as inner pane. Average performance values of DGU (6+12+6 mm) with coating on surface #2, according to the standards ISO 9050 m1 /EN 6732 and to the standards NFRC 100.

Saint-Gobain Glass Glass reserves the right to change product performance features without notice or obligation. Contact your Saint-Gobain sales representative to check the availability of each product in your country.

DGU 6-12-6 / Standards ISO 9050 m1 / EN 6732

Product	Light Transmittance LT (%)	Solar Factor g/SHGC	Shading Coefficient SC	Selectivity (LT/g)	External Light Reflectance LRe (%)	Internal Light Reflectance LRi (%)	U-Value W/(m ² .K) 12mm air	U-Value W/(m ² .K) 16mm argon
ECLAZ ONE II	78	0.55	0.63	1.42	15	17	1.5	1.0
ECLAZ II	82	0.66	0.76	1.24	11	11	1.6	1.1

DGU 6-12-6 / Standard NFRC 100

Product	Light Transmittance LT (%)	Solar Factor g/SHGC	Shading Coefficient SC	Selectivity (LT/g)	External Light Reflectance LRe (%)	Internal Light Reflectance LRi (%)	U-Value W/(m ² .K) 12mm air	U-Value W/(m ² .K) 16mm argon
ECLAZ ONE II	78	0.55	0.64	1.42	15	17	1.6	1.4
ECLAZ II	82	0.67	0.77	1.22	11	11	1.7	1.5

DGU 6-16-4 / Standards ISO 9050 m1 / EN 6732

Product	Light Transmittance LT (%)	Solar Factor g/SHGC	Shading Coefficient SC	Selectivity (LT/g)	External Light Reflectance LRe (%)	Internal Light Reflectance LRi (%)	U-Value W/(m ² .K) 16mm argon
ECLAZ ONE II	78	0,54	0,62	1,43	17,4	15,6	1,04
ECLAZ II	82	0,64	0,74	1,28	11,3	11,6	1,1



DIAMANT®



COOL-LITE® SKN

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