



# SageGlass® Climaplus Classic 42.1EC-12-4

Electronically tintable glazing for curtain walls, windows and skylights

## DESCRIPTION

Ug 1.1

- Double insulating Glass Unit
- Changes its level of tint to modulate sun light, solar heat gain and glare
- Remains transparent without blocking the view
- Replaces external blinds and internal shades
- LightZone™ – up to three separate tintzones within the glass unit
- Controlled by the SageGlass® control system (automatically and/or manually)

## PRODUCT CHARACTERISTICS

Maximum glass size	≤ 1520 × 3050 mm
Composition*	Double glazing 42.1EC-12-4
Spacer type	Stainless steel, mill finished or black
Spacer thickness	12 mm
Sealing	Polyisobutylene PIB / silicone
Filling of the gap	Krypton
Outer pane laminated	4 mm heat strengthened glass with SR2.0 reflective coating, Sentryglas® 0.9 mm 2.2 mm clear glass with SageGlass® EC coating
Inner pane	4 mm heat strengthened glass with low emissivity coating*

## TECHNICAL SPECIFICATIONS

		Clear neutral	Intermediate 1 neutral	Intermediate 2 neutral	Dark neutral
External colour	In reflexion	neutral	neutral	neutral	neutral
Internal colour	In transmittance	neutral	light blue-grey	blue-grey	blue-grey
Light factors	light transmission	60%	17%	5%	1%
EN 410	RL ext	16%	10%	10%	11%
D65 2°	RL int	15%	10%	10%	10%
UV	Transmission uv	0%	0%	0%	0%
	Solar factor g	0.40	0.12	0.07	0.05
EN 673	U value, 90% Krypton	1.1 W/(m².K)			
EN 140-3	Sound reduction Rw (C,Ctr)	31 (-3;-6) dB***			
Weight		26 kg/m²			
Total thickness	Tolerances +/- 1 mm	23 mm			
Switch speed		5 to 15 minutes**			

## CONFORMITY

Certifications	CE mark (EN 1279, EN 1096, EN 12543, EN 12600, EN 410, EN 14449, EN 1863)
Electrochromic norm	ASTM E-2141 (100.000 cycles passed)

## CHARACTERISTICS

Operating temperature	From -30°C to 80°C
Pigtail cable and connector	1 cable standard length 125 mm with male connector
Supply voltage	Maximum 5V exclusively controlled by the SageGlass® control system
Visible busbar (option)	If the shorter side is >1 m, not to exceed the switching speed
Frame integration	Edge covering including sealing on 4 edges mini of 16 mm (recommended). Space between IGU and frame on the pigtail side, 7 mm for the connector
Frame compatibility	Façades, curtain walls, windows, structural systems, skylights etc.
Shapes	Rectangle, triangle, trapezoidal etc.
Drilling	Not possible

\* the structure of the glass is calculated project-specific

\*\* to reach 90% of its tint range at room temperature

\*\*\* simulated values