

SageGlass®

# SageGlass® Climaplus Classic 62.1EC-12-6 Grey

Electronically tintable glazing for curtain walls, windows and skylights

## DESCRIPTION

Ug 1.3

- 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 62.1EC-12-6
Spacer type	Stainless steel, mill finished or black
Spacer thickness	12 mm
Sealing	Polyisobutylene PIB / silicone
Filling of the gap	Argon
Outer pane	6 mm grey heat strengthened glass, Sentryglas® 0.9 mm 2.2 mm clear glass with SageGlass® EC coating
Inner pane	6 mm fully heat strengthened with low emissivity coating*

## TECHNICAL SPECIFICATIONS

		Clear	Intermediate 1	Intermediate 2	Dark
External colour	In reflexion	neutral	neutral	neutral	neutral
Internal colour	In transmittance	neutral	light blue-grey	blue-grey	blue-grey
Light factors	light transmission	44	19	6	1
EN 410	RL ext	7	5	5	5
D65 2°	RL int	11	10	10	10
UV	Transmission uv	0	0	0	0
	Solar factor g	0.30	0.13	0.07	0.05
EN 673	U value 90% Ar	1.3 W/(m²·K) - vertical			
EN 140-3	Sound reduction Rw (C,Ctr)	34 (-2;-5) dB***			
Weight		35 kg/m²			
Total thickness	Tolerances +/- 1 mm	26.5 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, EN 12150)
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