

SageGlass®

SageGlass® Climaplus

Electronically tintable glazing for curtain walls, windows and skylights

DESCRIPTION

Ug

- 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

Composition*

Spacer type

Stainless steel, mill finished or black

Spacer thickness

Sealing

Polyisobutylene PIB / silicone

Filling of the gap

Outer pane

Inner pane

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				
EN 410	RL ext				
D65 2°	RL int				
UV	Transmission uv				
	Solar factor g				
EN 673	U value	W/(m ² .K) - vertical			
EN 140-3	Sound reduction Rw (C,Ctr)	dB***			
Weight		kg/m ²			
Total thickness	Tolerances +/- 1 mm	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