

# GEMINI RETRO

wood-aluminium windows

**Gemini Retro** is a system designed for antique and retro stylised objects. Its special shape of profiles gives the windows an elegant, classy and timeless character. A broad variety of available colours in this system make it a complement to even the most sophisticated applications. The retro system stands out with its design and functionality as it offers a broad spectrum of available constructions and very good functionality.






## RETRO STYLISED WINDOWS

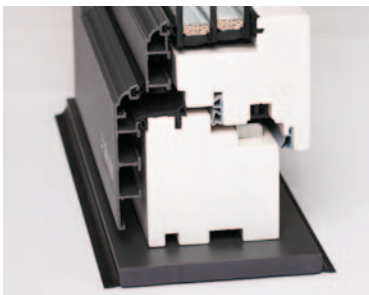
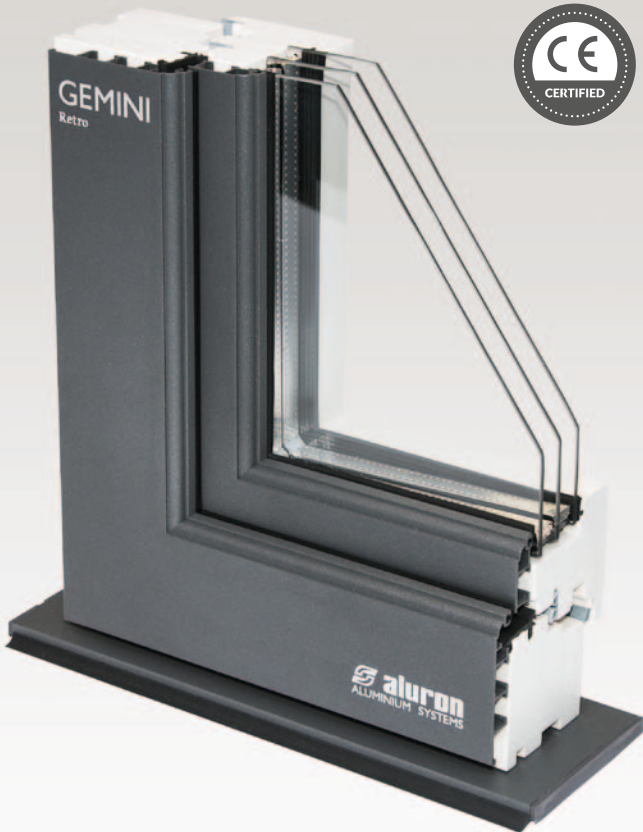
GEMINI Retro is an unflushed system.

### AVAILABLE CONSTRUCTIONS:

- Tilt & turn windows
- Fixed windows
- Tilt & slide windows (PSK)
- Arc windows
- Rotary windows
- Mullions and transoms
- Removable mullions
- Glued crosspieces
- Construction crosspieces
- Balcony doors
- HS sliding doors
- Folding doors
- Inward opening doors
- Outward opening doors

### → System features

Welded corner connection	
Mechanical corner connection	
Wood section thickness 68–92 mm	
Glazing thickness 24–64 mm	
Sash and frame profile bending	



Heat transfer  $U_w$  coefficient  
for sample window 1.23x1.48 [m]

$U_w$ [W/(m <sup>2</sup> K)]		Pine ( $\lambda=0.13$ [W/(mK)]; $\rho=500$ [kg/m <sup>3</sup> ])				Meranti ( $\lambda=0.12$ [W/(mK)]; $\rho=450$ [kg/m <sup>3</sup> ])				Spruce ( $\lambda=0.11$ [W/(mK)]; $\rho=450$ [kg/m <sup>3</sup> ])			
		68 [mm]	78 [mm]	88 [mm]	92 [mm]	68 [mm]	78 [mm]	88 [mm]	92 [mm]	68 [mm]	78 [mm]	88 [mm]	92 [mm]
Glazing 4/16/4	$U_g=1.1$ [W/(m <sup>2</sup> K)]	1.262	1.231	1.207	1.199	1.238	1.208	1.185	1.177	1.213	1.185	1.162	1.155
	$U_g=1.0$ [W/(m <sup>2</sup> K)]	1.200	1.170	1.146	1.137	1.177	1.147	1.124	1.116	1.152	1.123	1.101	1.093
Glazing 4/16/4/16/4	$U_g=0.7$ [W/(m <sup>2</sup> K)]	0.969	0.935	0.909	0.900	0.947	0.913	0.888	0.879	0.923	0.891	0.866	0.858
	$U_g=0.5$ [W/(m <sup>2</sup> K)]	0.846	0.812	0.785	0.776	0.823	0.790	0.765	0.756	0.800	0.767	0.743	0.735