

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

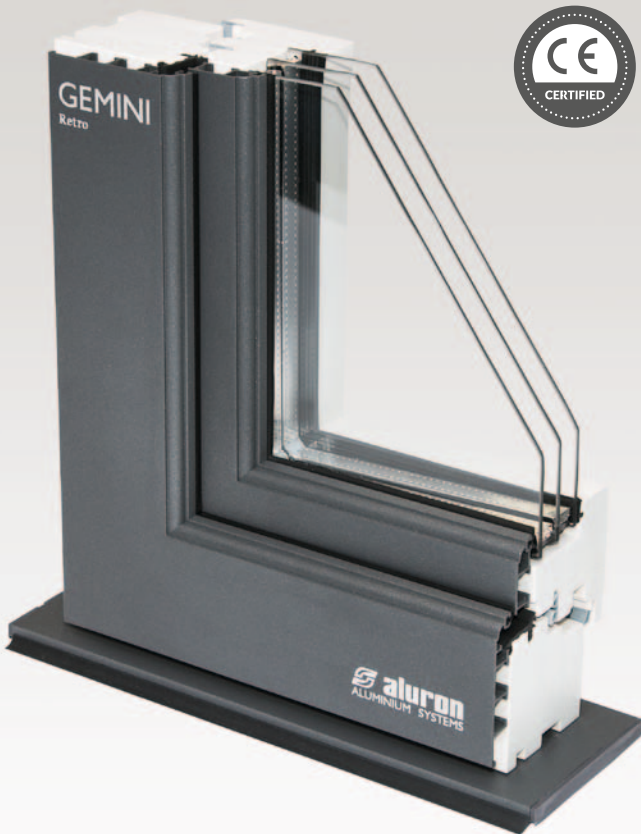
GEMINI Retro is an unflushed system.

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 ² K)] | | Pine ($\lambda=0.13$ [W/(mK)]; $\rho=500$ [kg/m ³]) | | | | Meranti ($\lambda=0.12$ [W/(mK)]; $\rho=450$ [kg/m ³]) | | | | Spruce ($\lambda=0.11$ [W/(mK)]; $\rho=450$ [kg/m ³]) | | | |
|------------------------------|-------------------------------------|--|---------|---------|---------|---|---------|---------|---------|--|---------|---------|---------|
| | | 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 ² 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 ² 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 ² 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 ² 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 |