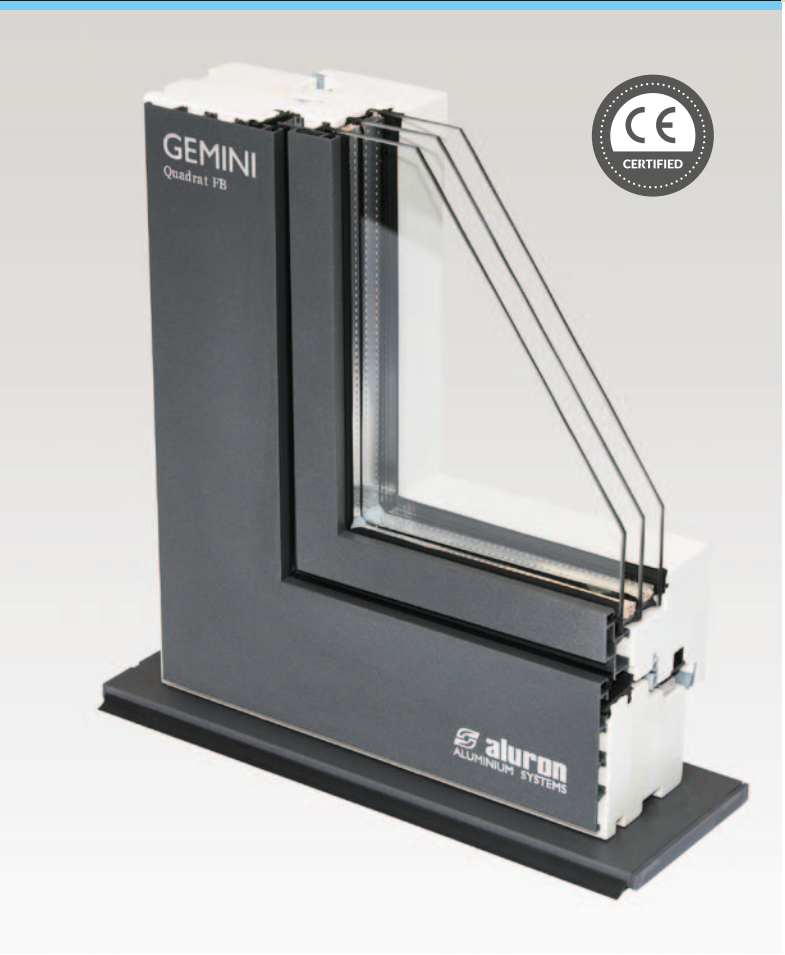
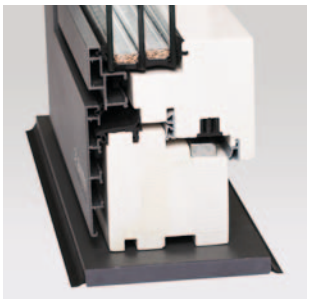
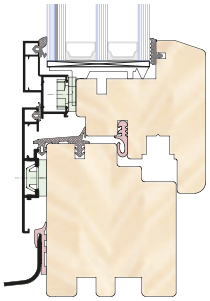
GEMINI QUADRAT FB

wood-aluminium windows

Gemini Quadrat FB systems have distinct profile edges, similar to the Quadrat system. The FB version is distinguished by its flushed sash which visually creates a unified surface. The special shape of the aluminium sash, which shifts the windowpane 15 mm further forward as in more conventional designs, allows for the use of broader glazing with a thinner wood cross-section. Quadrat FB lacks a visible slant and there is a right angle on the surface of its profiles.







MODERN SYSTEM, MINIMALISTIC DESIGN

Much like other GEMINI systems, Quadrat FB stands out with high functionality and excellent utility properties. Application: windows, doors, facade elements and winter gardens.

AVAILABLE CONSTRUCTIONS:

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

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 Uw coefficient
for sample window 1.23x1.48 [m]

Uw [W/(m²K)]		Pine (λ=0.13 [W/(mK)]; ρ=500 [kg/m³])				Meranti (λ=0.12 [W/(mK)]; ρ=450 [kg/m³])				Spruce (λ=0.11 [W/(mK)]; ρ=450 [kg/m³])			
		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	Ug=1.1 [W/(m²K)]	1.295	1.267	1.246	1.239	1.271	1.244	1.226	1.219	1.246	1.222	1.202	1.196
	Ug=1.0 [W/(m²K)]	1.236	1.208	1.187	1.179	1.212	1.185	1.164	1.157	1.186	1.161	1.141	1.134
Glazing 4/16/4/16/4	Ug=0.7 [W/(m²K)]	0.986	0.956	0.932	0.924	0.963	0.934	0.912	0.904	0.939	0.912	0.890	0.882
	Ug=0.5 [W/(m²K)]	0.863	0.833	0.809	0.801	0.840	0.811	0.788	0.780	0.816	0.788	0.766	0.761