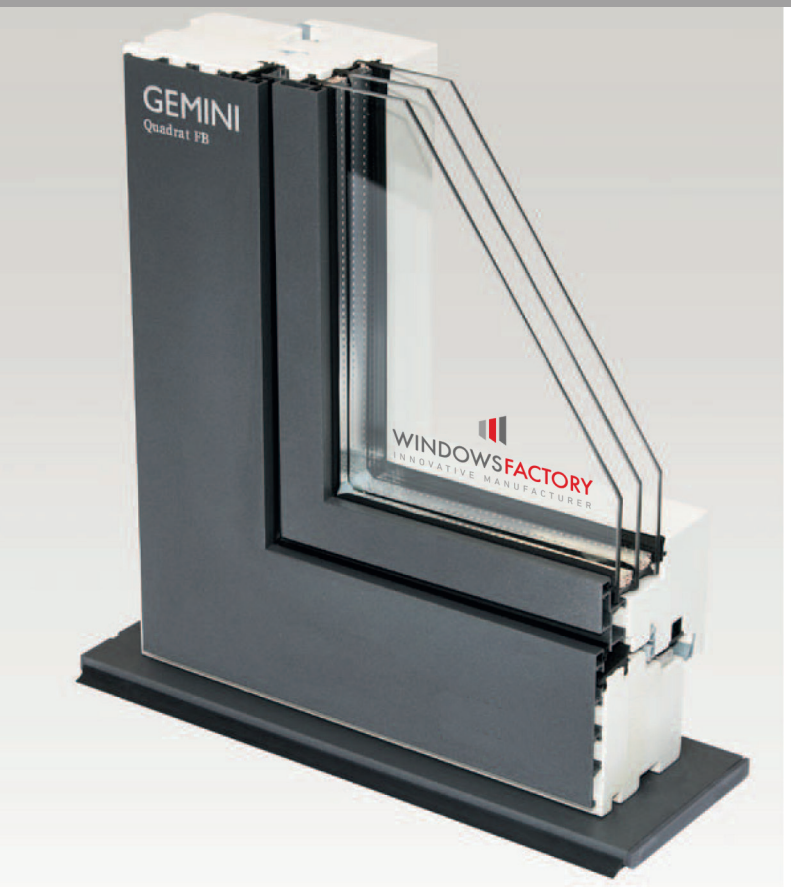
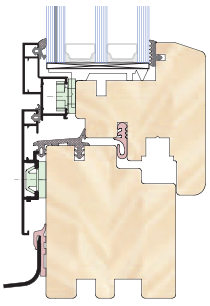
WINDOWSFACTORY
INNOVATIVE MANUFACTURER

GEMIN QUADRAT FB

wood-aluminium windows

Gemini Quadrat FB systems have distinct profile edges, similar to the Quadrat system. The FB version is distin-guished by its flushed sash which visually creates a unified surface. The special shape of the aluminium sash, which shifts the windowpane 15 mm fur-ther 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	GEMINI
Mechanical corner connection	GEMINI
Wood section thickness 68-92 mm	GEMINI
Glazing thickness 24-64 mm	GEMINI
Sash and frame profile bending	GEMINI

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

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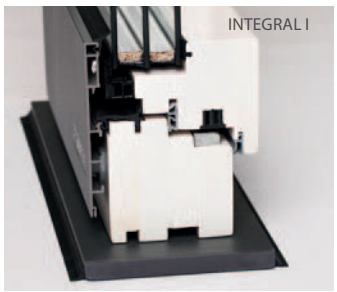
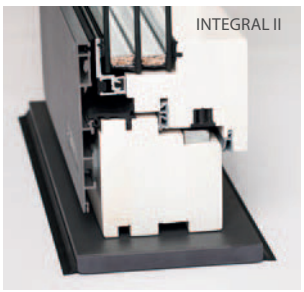
GEMIN INTEGRAL

wood-aluminium windows

Integral is a unique line of products that belongs to the GEMINI fam-ily. It possesses a concealed aluminium sash profile. This creates a visual effect of a single frame, just like in fixed windows. These system profiles were developed without a visible slant and, as a re-sult, create an external right angle. The use of an additional welded gasket in the frame profile increased the overall tightness of the construction which resulted in obtaining the E1200 classification, approved by IFT Rosenheim tests.





SIMPLE FORM, NARROW FRAMES, FIXED GLAZING IMPRESSION

A modern, single-frame visual form, which fits perfectly well with the newest trends in architectural design by utilising glass, con - crete, alu minium and steel.
Its system profiles can be ordered in the form of welded or punched frames.

AVAILABLE CONSTRUCTIONS:

- Tilt & turn windows
- Fixed windows
- Tilt & slide windows (PSK)
- Arc windows
- Mullions and transoms
- Removable mullions
- Glued crosspieces
- Construction crosspieces
- Balcony 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/(m^{2}K)]		Pine (λ=0.13 [W/(mK)]; ρ=500 [kg/m^3])				Meranti (λ=0.12 [W/(mK)]; ρ=450 [kg/m^3])				Spruce (λ=0.11 [W/(mK)]; ρ=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	Ug=1.1 [W/(m^{2}K)]	1.257	1.232	1.217	1.213	1.237	1.213	1.199	1.194	1.217	1.199	1.180	1.175
	Ug=1.0 [W/(m^{2}K)]	1.189	1.164	1.150	1.145	1.169	1.145	1.131	1.126	1.149	1.126	1.112	1.108
Glazing 4/16/4/16/4	Ug=0.7 [W/(m^{2}K)]	0.927	0.906	0.889	0.886	0.909	0.888	0.875	0.870	0.890	0.871	0.857	0.852
	Ug=0.5 [W/(m^{2}K)]	0.791	0.770	0.756	0.750	0.773	0.752	0.739	0.734	0.755	0.735	0.722	0.717

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