

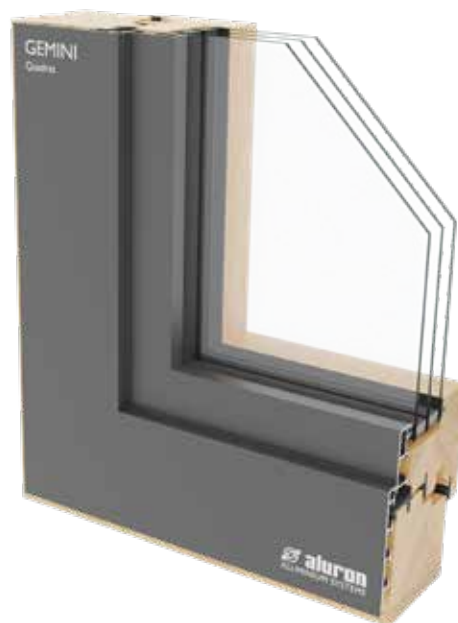
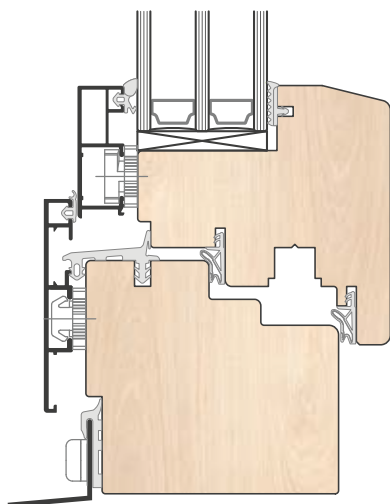
Professional aluminium cladding systems

GEMINI QUADRAT



The Gemini Quadrat systems have distinctive profile edges, with the sash shifted away from the frame and thus creating two distinct surfaces.












The Quadrat is distinguished by its minimalistic and geometrical design, crucial in modern architecture where glass, concrete, aluminium and steel is the standard. Its uniqueness is further magnified by the lack of a visible slant, resulting in a right angle visible on the surface of Quadrat profiles. Much like other GEMINI systems, the Quadrat stands out with high functionality and remarkable utility properties. Application: windows, doors, facade elements and winter gardens.



Heat transfer coefficient U_w [W/m²K] for a reference window with dimensions 2.18 x 1.48 m

U_w [W/(m ² K)]		Pine ($\lambda=0,13$ [W/(mK)]; $\lambda=500$ [kg/m ³])				Meranti ($\lambda=0,12$ [W/(mK)]; $\lambda=450$ [kg/m ³])				Spruce ($\lambda=0,11$ [W/(mK)]; $\lambda=450$ [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)]	1,256	1,226	1,203	1,195	1,232	1,204	1,181	1,173	1,208	1,180	1,158	1,151
	$U_g=1,0$ [W/(m ² K)]	1,194	1,164	1,141	1,133	1,171	1,142	1,119	1,111	1,147	1,119	1,097	1,090
Glazing 4/16/4/16/4	$U_g=0,7$ [W/(m ² K)]	0,964	0,931	0,905	0,896	0,942	0,909	0,884	0,876	0,919	0,887	0,863	0,855
	$U_g=0,5$ [W/(m ² K)]	0,841	0,807	0,781	0,773	0,819	0,786	0,761	0,752	0,795	0,764	0,739	0,731

DESIGN & FUNCTIONALITY

-  System corners joined at 45°.
-  Corner joints with „invisible weld” technology to guarantee a smooth, uniform surface.
-  Mechanical jointing of corners using fasteners with visible cut edges.
-  Optional bending of sash and frame profiles to create structures with unusual shapes.
-  Glazing from the outside with aluminium strip. Outside glazing solution is based on frame profile, to which we connect aluminium glazing bar, supported by our system gasket.
-  Easy and quick installation in production conditions.
-  Proprietary software for preparing quotes and placing orders.
-  A solution compatible with Classic and Soft Line aluminium window sills.
-  An option for using the Gemini Insecta system frame mosquito net.
-  Swiss variant - characterised by distinctive styling and the sill being attached directly to the frame profile from the front.
-  An option to install a Gemini IGB balustrade integrated into the cladding or an independent balustrade with Gemini VGB extended profile.

SELECTED SYSTEM PARAMETERS

from 0,73 W/m²K	class E1200/9A	class C3/B3	class 4	68-92 mm	24-64 mm
Thermal insulation Uw	Water tightness	Wind load resistance	Air permeability	Wood section thickness	Glass packet thickness

VARIETY OF COLOURS - ALURON COLOR COLLECTION 2



AR - MAT
Powder coating
RAL MAT



AR - FS
Powder coating
RAL FS



AM - FS
Powder coating
Metallic FS

Qualicoat Class 2



ANODIZED & EFFECT COLORS

- AA C anode colours: C0, C33, C34
- AA R imitation anode - powder coating



AD - MAT
Woodgrain decors
MAT



Find out more!

