

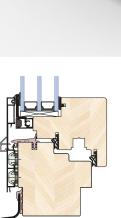


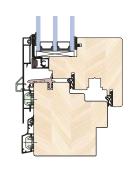
GEMINI INTEGRAL II

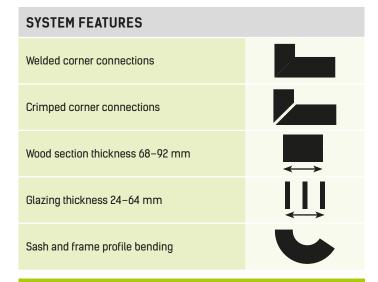
wood-aluminium windows

Gemini Integral II is another type of wood-aluminium construction in the Gemini family, and this one comes with a concealed aluminium sash as its main feature. The sash, seemingly invisible from the outside, have a visual effect of a fixed window. Gemini Integral II variant comes with a wider sash profile, which increases stiffness, and allows for a thinner gasket to be used in the glazing section. Visually, this creates a narrow, black joint in the glazing area directly next to the aluminium profile. The shape of the system profiles remain the same, without a visible slant, and forming on the outside a 90° angle. System can be order as both welded and mechanically connected frames.

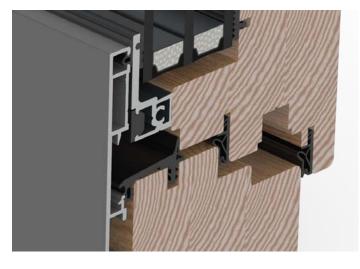








AN ALTERNATIVE TO A POPULAR GEMINI SYSTEM WITH CONCEALED SASH



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

Uw [W/(m²K)]		Pine (λ=0,13 [W/(mK)]; ρ=500 [kg/m ³])				Meranti (λ=0,12 [W/(mK)]; ρ=450 [kg/m³])				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/(m²K)]	1,274	1,254	1,238	1,233	1,254	1,234	1,219	1,214	1,232	1,213	1,199	1,193
	Ug=1,0 [W/(m²K)]	1,207	1,186	1,171	1,165	1,186	1,166	1,151	1,146	1,165	1,145	1,131	1,126
Glazing 4/16/4/16/4	Ug=0,7 [W/(m²K)]	0,941	0,919	0,902	0,896	0,922	0,901	0,884	0,879	0,903	0,882	0,866	0,861
	Ug=0,5 [W/(m²K)]	0,804	0,781	0,764	0,761	0,785	0,763	0,749	0,744	0,766	0,745	0,729	0,726