

# GEMINI LINEAR

wood-aluminium windows






**Gemini Linear** is a system where the sash surface is flushed with the frame. However, unlike other flushed systems, such as **Quadrat FB**, the **GEMINI Linear** creates a clear angle on the surface. Just like other **GEMINI** systems, it is characterised by above-average functionality and utility. Gemini Linear is suitable for flushed and modern designs that blend in well with the concept of the building. Application: windows, doors, facade elements and winter gardens.

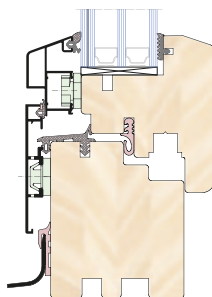
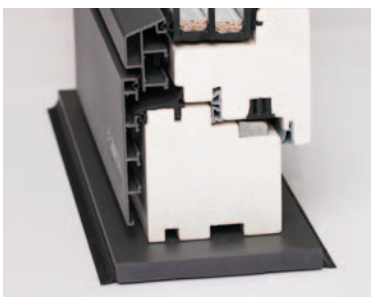
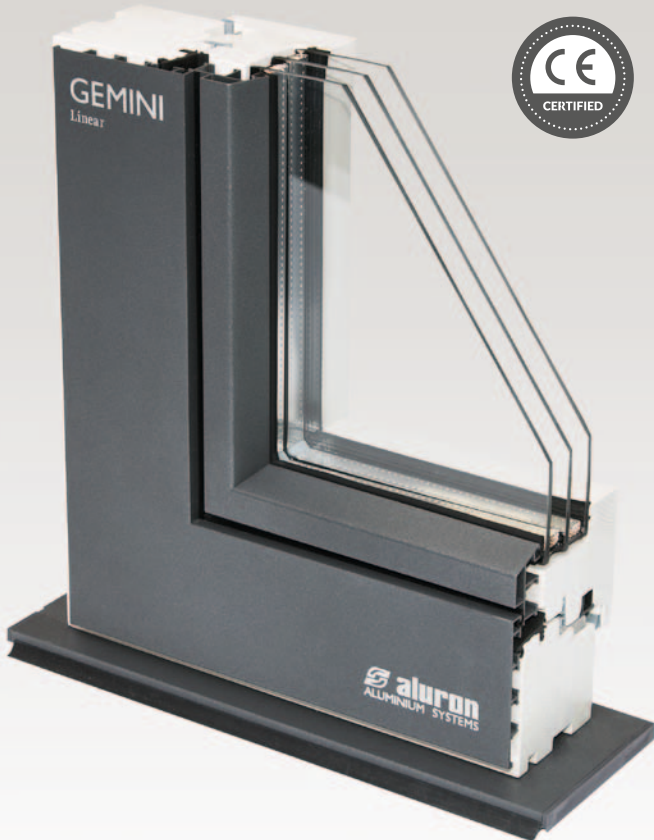
## AN ATTRACTIVE SYSTEM IN WHICH THE SASH IS FLUSHED WITH THE FRAME

### AVAILABLE CONSTRUCTIONS:

- Tilt & turn windows
- Fixed windows
- Tilt & slide windows (PSK)
- Arc windows
- Mullions and transoms
- Removable mullions
- Glued crosspieces
- 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  $U_w$  coefficient for sample window 1.23x1.48 [m]

$U_w$ [W/(m <sup>2</sup> K)]		Pine ( $\lambda=0.13$ [W/(mK)]; $\rho=500$ [kg/m <sup>3</sup> ])				Meranti ( $\lambda=0.12$ [W/(mK)]; $\rho=450$ [kg/m <sup>3</sup> ])				Spruce ( $\lambda=0.11$ [W/(mK)]; $\rho=450$ [kg/m <sup>3</sup> ])			
		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 <sup>2</sup> K)]	1.255	1.225	1.202	1.194	1.232	1.203	1.180	1.172	1.207	1.179	1.158	1.150
	$U_g=1.0$ [W/(m <sup>2</sup> K)]	1.193	1.163	1.140	1.132	1.170	1.141	1.118	1.111	1.146	1.118	1.096	1.088
Glazing 4/16/4/16/4	$U_g=0.7$ [W/(m <sup>2</sup> K)]	0.963	0.930	0.904	0.895	0.941	0.908	0.884	0.875	0.918	0.886	0.862	0.854
	$U_g=0.5$ [W/(m <sup>2</sup> K)]	0.840	0.807	0.781	0.772	0.818	0.785	0.760	0.752	0.795	0.763	0.739	0.731