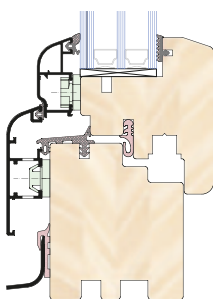


# → GEMINI SOFT LINE

wood-aluminium windows



**Gemini Soft Line** is characterised by an extremely meticulous and aesthetic design line. This system stands out with its rounded shape of profiles. It is both a very stylish and functional solution. Moreover, this system possesses high utility parameters in terms of insulating as well as acoustic and mechanical properties. Its systemic profiles can be ordered as welded or punched frames. Its features allow for a wide range of uses especially where rounded shapes complement the architectural vision of the construction.

## SYSTEMS WITH ROUNDED PROFILE SHAPE

### 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

### → 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 coefficient  $U_w$   
for sample window 1.23x1.48 [m]

$U_w$ [W/(m²K)]		Pine ( $\lambda=0.13$ [W/(mK)]; $\rho=500$ [kg/m³])				Meranti ( $\lambda=0.12$ [W/(mK)]; $\rho=450$ [kg/m³])				Spruce ( $\lambda=0.11$ [W/(mK)]; $\rho=450$ [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	$U_g=1.1$ [W/(m²K)]	1.267	1.236	1.212	1.203	1.243	1.213	1.189	1.181	1.218	1.189	1.166	1.159
	$U_g=1.0$ [W/(m²K)]	1.205	1.174	1.150	1.142	1.181	1.151	1.130	1.122	1.156	1.127	1.107	1.099
Glazing 4/16/4/16/4	$U_g=0.7$ [W/(m²K)]	0.974	0.939	0.912	0.903	0.951	0.917	0.891	0.882	0.927	0.895	0.870	0.861
	$U_g=0.5$ [W/(m²K)]	0.851	0.816	0.789	0.780	0.828	0.794	0.768	0.759	0.804	0.771	0.746	0.738