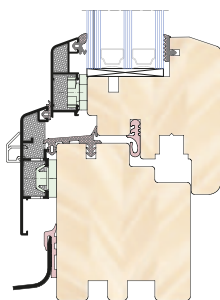
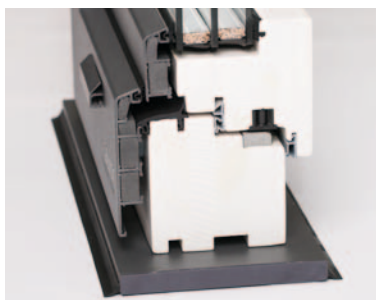
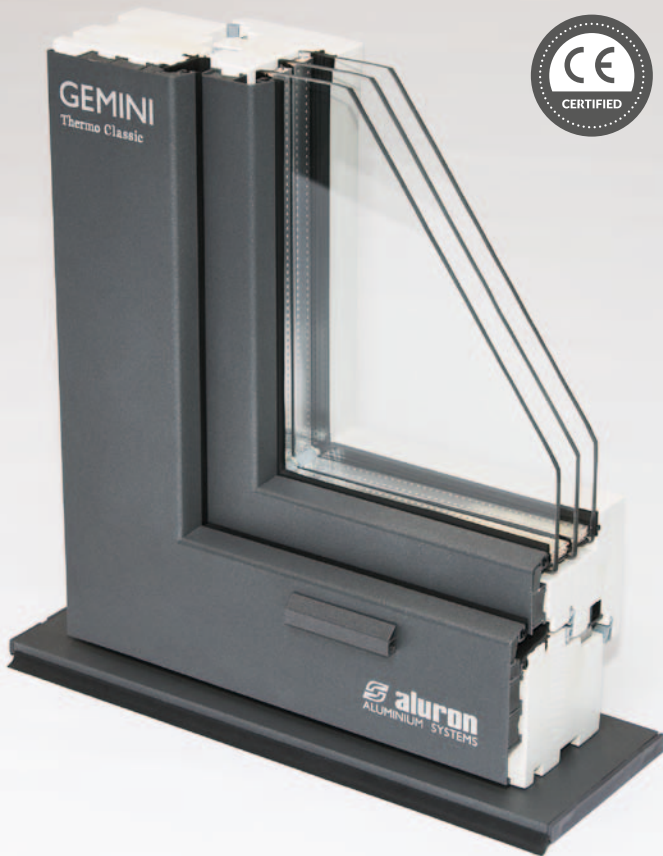


GEMINI THERMO CLASSIC

wood-aluminium windows



Gemini Thermo Classic is a system used in buildings that have to meet thermal and acoustic requirements. Similarly to GEMINI Classic, this system can be used in a variety of door and window constructions. Thermo system profiles can be ordered as welded or punched frames.

THERMAL PERFECTION

Filling the profile chambers with insulating material results in higher thermal parameters along with a positive isothermal shift.

AVAILABLE THERMO SYSTEMS:

- Gemini Thermo Soft Line
- Gemini Thermo Linear
- Gemini Thermo Quadrat
- Gemini Thermo Quadrat FB
- Gemini Thermo Retro

→ 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 ² K)]		Pine ($\lambda=0.13$ [W/(mK)]; $\rho=500$ [kg/m ³])				Meranti ($\lambda=0.12$ [W/(mK)]; $\rho=450$ [kg/m ³])				Spruce ($\lambda=0.11$ [W/(mK)]; $\rho=450$ [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)]	1.244	1.215	1.192	1.185	1.222	1.193	1.171	1.164	1.198	1.171	1.149	1.142
	$U_g=1.0$ [W/(m ² K)]	1.185	1.156	1.133	1.126	1.163	1.134	1.112	1.105	1.139	1.111	1.090	1.083
Glazing 4/16/4/16/4	$U_g=0.7$ [W/(m ² K)]	0.958	0.925	0.899	0.891	0.936	0.904	0.879	0.871	0.913	0.882	0.858	0.850
	$U_g=0.5$ [W/(m ² K)]	0.832	0.801	0.776	0.767	0.812	0.780	0.755	0.747	0.790	0.758	0.735	0.726