



ALU-CLAD WINDOWS

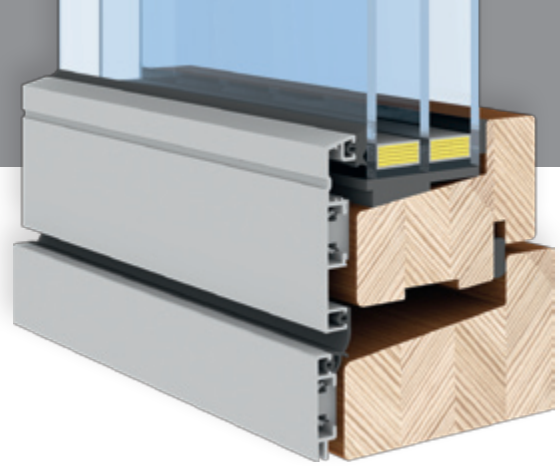
Lumis

Outward opening windows



Lumis is a modern, triple glazed flush casement composite window. The constructional core is made-up of layered, glued scantling free from any knots. External protection of the window is aluminum cladding powder coated according to the RAL colour chart. Due to the combination of timber and aluminum Lumis is marked with excellent aesthetic and usable features. Triple glazed, 48mm thick ($U_g=0,5 \text{ W/m}^2\text{K}$) glazing package and skilfully designed construction with three gaskets between frame and sash allow achieving thermal parameter $U_w = 0,76 \text{ W/m}^2\text{K}$ for a reference window.











Lumis is also characterized by high airtightness and enhanced burglary resistance. The innovative construction of the profiles with the application of adjustable Siegenia and PN fittings in the Lumis window and door system results in achieving requirements of anti-burglary demands according to PAS24 norm.




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TECHNICAL DATA

	Material	Engineered fingerjointed pine, selected pine, meranti, oak, other on request, laminated.
	U_w value	0,76 W/m ² K (for test size window 1230x1480mm)
	Glazing packages, U_g value	48mm (4-18-4-18-4), U _g = 0,5 W/m ² K Glass package may be modified.
	Air permeability	Class 4
	Watertightness	Class 8A
	Wind load	Class C3
	Fittings	Siegenia, PN
	Surface treatment	Transparent colours based on current colour chart. Opaque colours based on RAL and NCS charts.
	Aluminium claddings	Powder coated colours based on RAL chart (by Qualicoat sign, licence number: 1515).
	Security	PAS 24:2016 Enhanced security performance requirements for doorsets and windows in the UK.

DIMENSIONAL RANGE

 Hinge type	Min frame width	Max frame width	Min frame height	Max frame height	
				Windows	French door
Side hung projection	333	889	425	1695	2600
Top hung projection	395	1695	290	1584	2600