

VELLA

mullion and transom system

Vella is a wood-alu system, based upon mullion and transom constructions, suited for facades and winter gardens. The support structures for this system are from wooden mullions, 50, 60 or 80 mm thick, with their depth depending on static calculation. The Vella system consists of a wide range of aluminium profiles, gaskets and insulators. It ensures durable glazing mounting, unusual tightness, and high thermal parameters as well as guarantees perfect protection for wood. The glazing range for this system is between 9 and 60 mm.

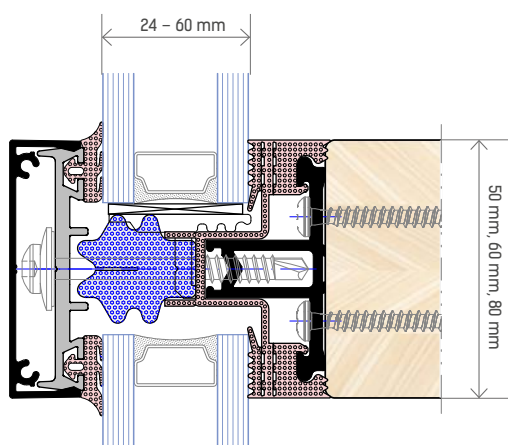


SYSTEM FOR FACADES AND WINTER GARDENS

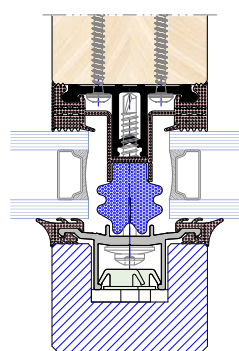
This solution perfectly combines the colour application, durability and weather resistance of aluminium with an aesthetic wooden interior. The Vella system ideally suits modern spatial architecture. Its properties include high level versatility, complementing different architectural styles as well as high functionality without the need for frequent conservation.

SYSTEM FEATURES

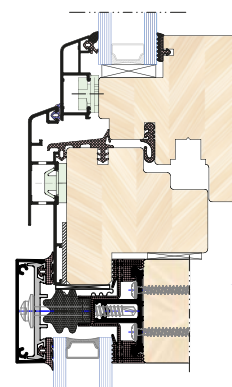
- Wood cross-section thickness: 50, 60, 80 mm
- Glazing thickness: 9 mm – 60 mm
- 3-stage drainage
- Wooden cover strip available
- Complete gutter system
- Possible profile bending (for 50 mm transom only)



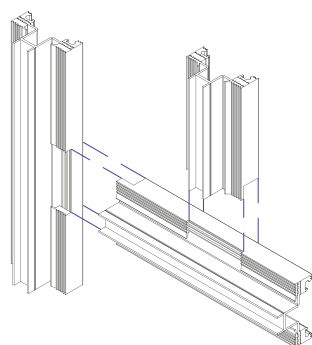
Vella cross-section range
Vella glazing range



Vella – wooden strip version



Vella S – the inclusion of GEMINI window in Vella facade



3-stage drainage with inner gasket mullion

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

U_w [W/(m ² K)]		Vella 50	Vella 60	Vella 80
Pakiet szybowy 5/16/5	$U_g=1,1$ [W/(m ² K)]	1,223	1,223	1,194
	$U_g=1,0$ [W/(m ² K)]	1,136	1,135	1,108
Glazing 4/16/4/16/4	$U_g=0,7$ [W/(m ² K)]	0,796	0,807	0,791
	$U_g=0,5$ [W/(m ² K)]	0,616	0,627	0,614