

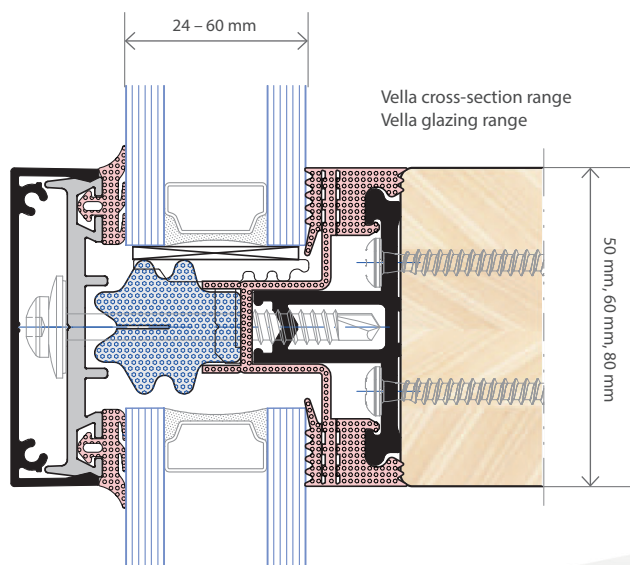
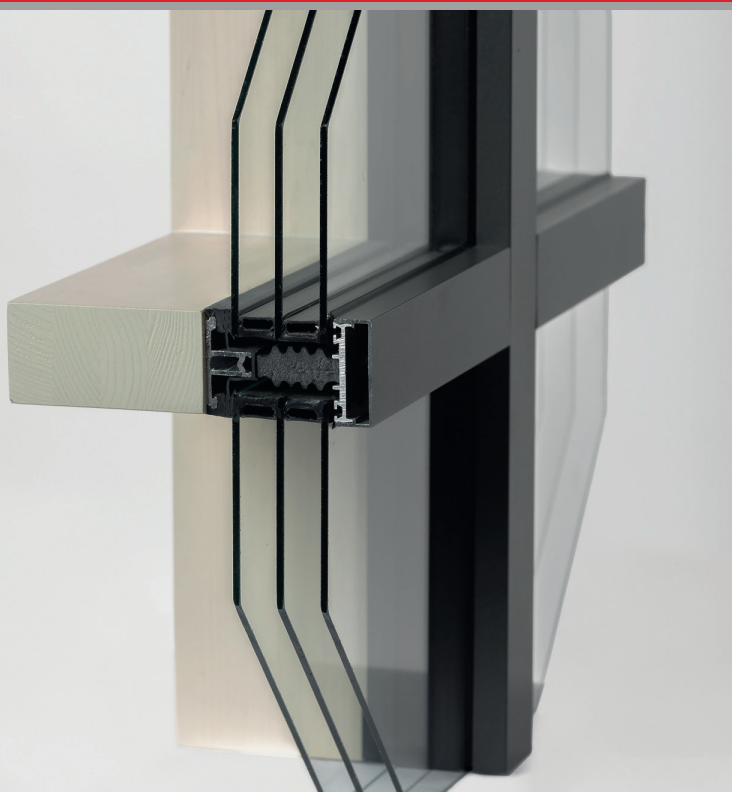


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INNOVATIVE MANUFACTURER



**VELLA**

mullion and transom system

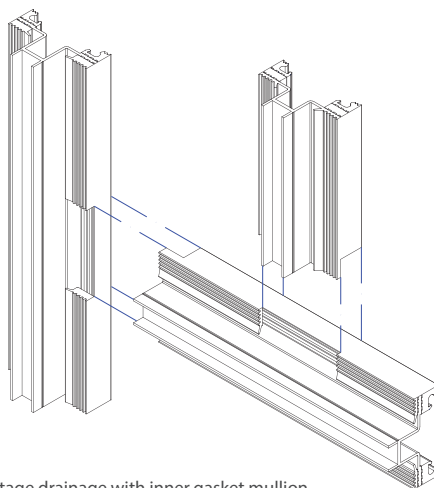


## SYSTEM FOR FACADES AND WINTER GARDENS

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)



3-stage drainage with inner gasket mullion

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

$U_w$ [W/(m <sup>2</sup> K)]		Vella 50	Vella 60	Vella 80
Glazing 5/16/5	$U_g=1.1$ [W/(m <sup>2</sup> K)]	1.223	1.223	1.194
	$U_g=1.0$ [W/(m <sup>2</sup> K)]	1.136	1.135	1.108
Glazing 4/16/4/16/4	$U_g=0.7$ [W/(m <sup>2</sup> K)]	0.796	0.807	0.791
	$U_g=0.5$ [W/(m <sup>2</sup> K)]	0.616	0.627	0.614



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## VELLA S

mullion and transom system

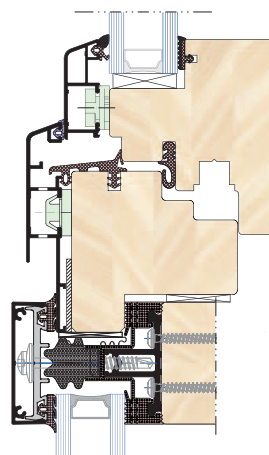
Vella S – in response to the desire of architects to create a visual impression of a completely glass-fronted building structure, ALU-RON developed its wood-alu facade construction using structural glazing. Specific binders selected by Dow Corning allow for long-term warranty, provide structure tightness and protect against UV radiation and exposure to high temperature. Vella S is distinguished by its unique aesthetics, light build impression and highly adaptive capacity in modern building.

### FACADE WITH STRUCTURAL GLAZING TECHNOLOGY

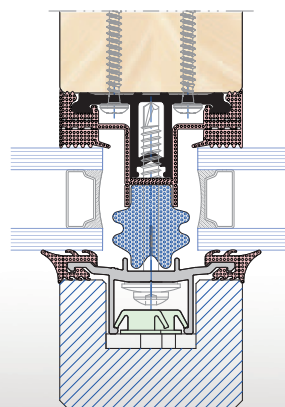
THERE ARE 3 WAYS OF FIXING GLASS IN THE VELLA S SYSTEM:

- Inner glazing grip
- Glued frame grip
- Point connection to embedded fasteners

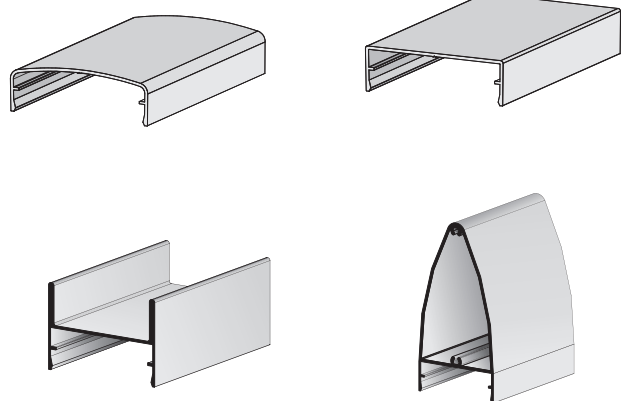
Glazing range in this system is up to 62 mm. Additionally, the system utilises high thermal and insulation solutions. Vella S presents modern design and aesthetics.



Vella S - the inclusion of GEMINI window in Vella facade



Vella – wooden strip version



Shapes of external coverings



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