

ALUMINIUM WINDOW AND  
DOOR SYSTEMS

# Olympia HI

Super warm aluminium system for passive buildings



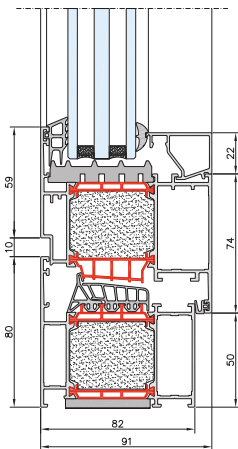
**Olympia HI**

by  
**blyweert**<sup>®</sup>  
aluminium

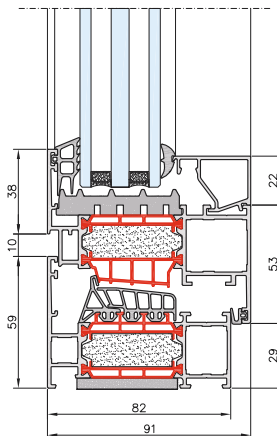


## SYSTEM FEATURES

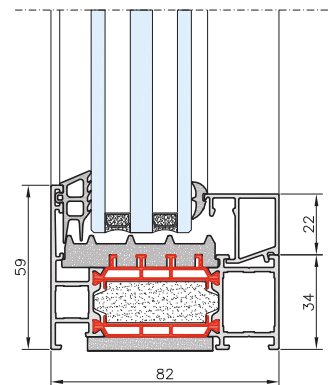
- Olympia HI is a system for manufacturing doors, windows, and shop windows, made of three-chamber profiles of high-quality aluminium. The system is stable and has the highest thermal insulating power, which makes it perfect for passive buildings.
- The designers of Olympia HI wanted to develop a system that would be ideal for concepts of the European Project „zero energy“. The requirements to be introduced in 2020 are fully met by Olympia.
- Using the insulating elements made of ABS and already employed in other systems from Blyweert in combination with a system of insulating foams, Olympia HI system reaches excellent  $U_f$  values of up to  $0,79 \text{ W/m}^2\text{K}$ .
- Every profile assembly in Olympia HI system was carefully designed to ensure optimum water and air tightness and the thus achieve high energy efficiency. Effective yet simple profile assemblies allow manufacturers to produce and assemble them quickly and efficiently.
- Through a special design of the structure and filling of the profile, we have achieved the profile width of 82mm which is optimal compared to its thermal properties and the stability of its structure.
- Architects and investors involved in passive housing projects may design and build structures with large, impressive double-glazed surfaces. This enables you to use sun heat optimally and decrease heating costs.
- Olympia HI is made of materials that are almost 100% recyclable. The aluminium profiles can be re-melted almost without extra costs and the material received is of full value and can be used for further processing. The available coatings: powder coating and anodizing, are not dangerous to the environment, easy to maintain and clean. All this makes the product very environmentally-friendly and energy-efficient.



OLYMPIA HI – large windows



OLYMPIA HI – small windows



OLYMPIA HI – fixed glazing

Technical properties	
Profile width	Frame 82 mm Leaf 91 mm
FITTINGS	Eurogroove
Glazing	-with EPDM glazing seals -with neutral silicone
Glazing width	13-60mm (doors and shop windows) 22-69 (windows)
Thermal transmittance	$0,79 < U_f < 1,01 \text{ W/m}^2\text{K}$