

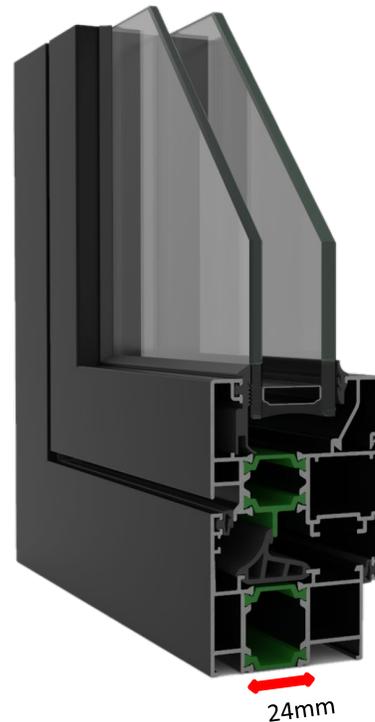
# Windows Thermal Insulation



# W450

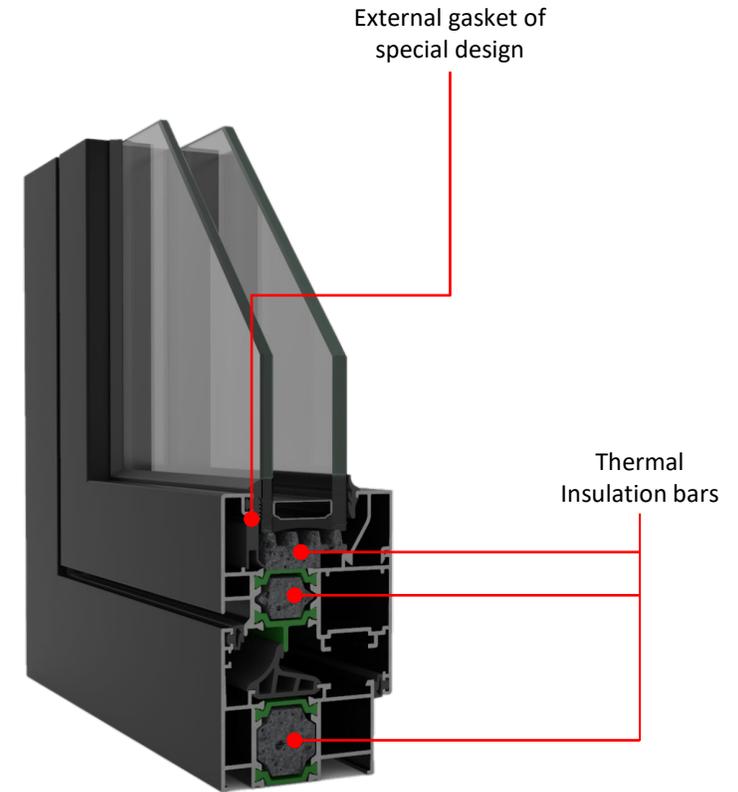
## Thermal insulation comparison

4,17% improvement of the U<sub>f</sub> value of the shown inward opening section, can simply achieved with the use of dedicated thermal insulation bars.



U<sub>f</sub> of 2.4 W/m<sup>2</sup>K

Thermal insulation improvement



U<sub>f</sub> of 2.3 W/m<sup>2</sup>K

€ +8%  
\*Cost of thermal insulation upgrade

**Note:**

Based on single sash door 0,9 x 2,2 mt.  
Calculation based on sales prices excl. configuration gear.

# W4750

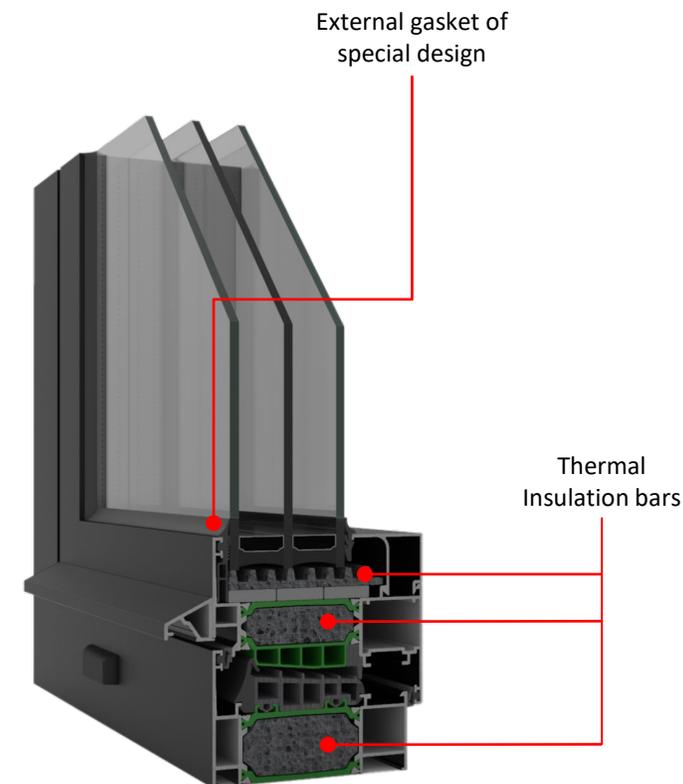
## Thermal insulation comparison

14,2% improvement of the U<sub>f</sub> value of the shown inward opening section, can simply achieved with the use of dedicated thermal insulation bars.



U<sub>f</sub> of 1.63 W/m<sup>2</sup>K

Thermal insulation improvement



U<sub>f</sub> of 1.39 W/m<sup>2</sup>K

€ +11%

\*Cost of thermal insulation upgrade

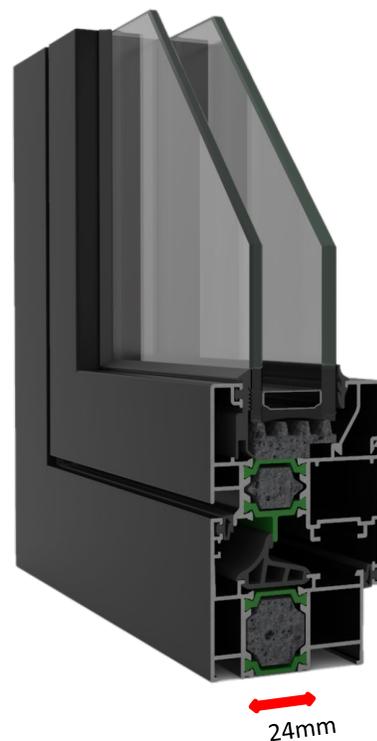
**Note:**

Based on single sash door 0,9 x 2,2 mt.  
Calculation based on sales prices excl. configuration gear.

# W450 vs W4750

## Thermal insulation comparison

W450 and W4750,  
The U<sub>f</sub> improvement of  
the use of a system with  
better U<sub>f</sub> value and in  
combination with  
thermal insulation bars,  
the improvement can be  
up to 17,4%.



U<sub>f</sub> of 2.3 W/m<sup>2</sup>K

Thermal insulation improvement



U<sub>f</sub> of 1.39 W/m<sup>2</sup>K

€ +24%

\*Cost of thermal insulation upgrade

**Note:**

Based on single sash door 0,9 x 2,2 mt.  
Calculation based on sales prices excl. configuration gear.