SAPLAST
SOFTLINE 82MD

Classic design, suitable for renovations





PERFORMANCES

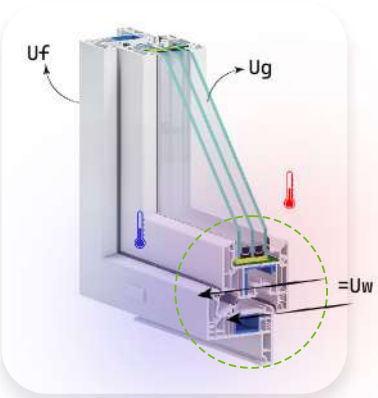
Uw calculation	DIN EN ISO 100077-2 (≤1,0 Wm^2/K)
Waterproofing	EN 12208 (classe 9A)
Wind resistance	EN 12210 (classe C5 /B5)
Air permeability	EN 12207 (classe 4)
Sound Insulation	EN ISO 717 1 (Rw=30 - 47 dB)

Manufacture and installation of windows, doors and curtain walls in PVC and aluminium.Manufacture and installation of insulated glass units.

QB QUALITY IN BUILDING · CEKAL INSULATING GLAZING · ift ROSENHEIM · TÜV THURINGEN CERT ISO 14001 TIC · TÜV THURINGEN CERT ISO 9001 TIC · CERIBOIS VOS AMBITIONS, NOTRE EXPERTISE

Uw, the coefficient, is used for calculating thermal transmission

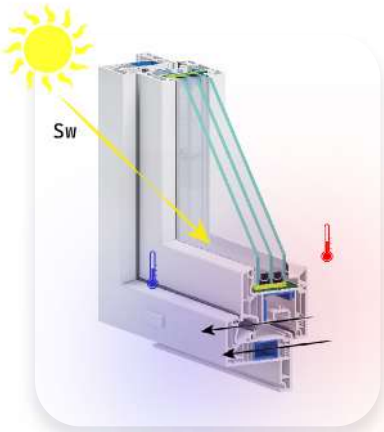
82MD



The thermal transmission coefficient Uw expresses the ability of a window to maintain the indoor temperature. It depends on the performance of the window frame and the glazing. It is expressed in W/m²K (Watts per square meter-kelvin). The lower the U value, the better the insulation of the window is ("w" stands for "window").

glazing / System of profile	**Uf**-value W/(m²K)	**Ψ g**-value W/(m K)	ENEV2009 -verre spécial ⟷ **Ug**-value W/(m²K)											
			1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9	0,8	0,7	0,6	0,5
SOFTLINE 82MD	**0,92**	**ALU**	1,6	1,5	1,4	1,4	1,3	1,2	1,2	1,1	1,0	0,97	0,9	0,84
		WE - warm edge	1,5	1,5	1,4	1,3	1,3	1,2	1,1	1,1	0.99	0.92	0,86	0,79

Sw, the coefficient, is used for calculating solar factor



The solar factor Sw reflects the ability of a window to transmit solar heat. Its value ranges from 0 to 1. The higher the value, the greater the heat gains.

Calculation for profile 82MD :

-Thermal transmission coefficient: **Uw = 0.78 W/m²K**
-Solar gain coefficient **Sw = 0.45**
TLW=80%

(*for the window: L 1600 x H 1480 mm)

