

Product Data Sheet

Standard PVC window

IDEAL 7000

6 chambers

recessed (fv.)

Classic-line

bonding of pane

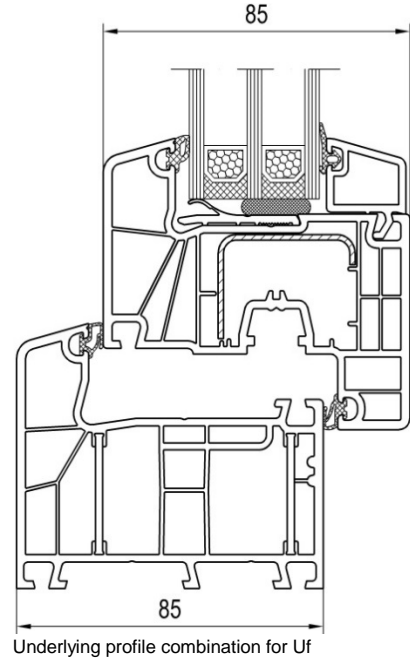
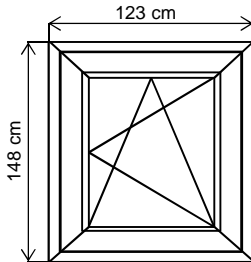
Material: Heat-absorbing insulating glass (Ug as per table)
rigid PVC (ISO 1163 - PVC-U, EDLP, 082-50-T28) (Uf as per table)
Multi-chamber profiles without steel reinforcement in the frame (powerdur inside)
Multi-chamber profiles with steel reinforcement in the sash and sash for bonding of pane (bonding inside)

Properties: Air permeability: up to class: 4 (DIN EN 12207)
Driving rain resistance: up to class: 9A (DIN EN 12208)
Resistance to wind load: up to class: C5 (DIN EN 12210)
Sound insulation (glass thickness 2x 4mm or 3x 4mm) corresponds to insulating glass unit Rw = 30 dB. Results according to EN 14351-1:
R_{w,P} = 33 dB (R_{w,R} = R_{w,P} - 2 dB)
P: test value; R: calculated value

Characteristics: By installing a sound-insulating glass unit (pursuant to the corresponding aluplast certification report) the following R_{w,P} value can be achieved:
46 dB (R_{w,R} = R_{w,P} - 2 dB)

Thermal insulation: Uw value Window (DIN EN ISO 10077-1) as per table.

Reference size: 1,23m x 1,48m ¹⁾



Underlying profile combination for Uf

Visible profile height = 119 mm

System provider: aluplast GmbH, Auf der Breit 2, D-76227 Karlsruhe

- Notes:**
- 1) Windows with a thermal transfer coefficient of glazing Ug < 1.9 W/m²K may be indicated at any time with the standard dimensions 1.23m x 1.48m (DIN EN 14351-1: table E.1, footnote "d").
 - 2) U values < 1.0 W/m²K are given with 2 decimal places in accordance with DIN EN ISO 10077.
 - 3) PHT: Uf value <= 1.2 W/m²K and Uw value <= 0.80 W/m²K: (if available: see identification mark "PHT" in the table)
Window = highly heat insulated / Passive-House-suitable.
 - 4) Additional measures allow for larger glazing.

Uf Frame	Ug Glazing	Uw Window		
Based on the underlying profile combination and equipment (materials)	with standard gaskets without glazing rebate extension	insulated-glass edge seal Standard (e.g. aluminium)	insulated-glass edge seal Warm Edge spacer	insulated-glass edge seal Swisspacer Ultimate
	20-51mm ⁴⁾	ψ (Psi) 0,070 [W/m²K]	ψ (Psi) 0,040 [W/m²K]	ψ (Psi) 0,030 [W/m²K]
[W/m²K]	DIN EN 673 ΔT (15°C) [W/m²K]	DIN EN ISO 10077-1 >> CE marking [W/m²K]	DIN EN ISO 10077-1 >> CE marking [W/m²K]	DIN EN ISO 10077-1 >> CE marking [W/m²K]
1,0	1,3	1,4 (1,37) ○	1,3 (1,30) ○	1,3 (1,28) ○
	1,2	1,3 (1,31) ○	1,2 (1,23) ○	1,2 (1,21) ○
	1,1	1,2 (1,24) ○	1,2 (1,17) ○	1,1 (1,14) ○
	1,0	1,2 (1,17) ○	1,1 (1,10) ○	1,1 (1,07) ○
	0,9	1,1 (1,10) ○	1,0 (1,03) ○	1,0 (1,01) ○
	0,8	1,0 (1,04) ○	-- 0,96 ○	-- 0,94 ○
	0,7	-- 0,97 ○	-- 0,90 ○	-- 0,87 ○
	0,6	-- 0,90 ○	-- 0,83 ○	PHT 0,80 ○
	0,5	-- 0,83 ○	PHT 0,76 ○	PHT 0,74 ○
	0,4	PHT 0,77 ○	PHT 0,69 ○	PHT 0,67 ○

○ The Uw value Window, based on the Uf value Frame and the selected Ug value Glazing, can be check-marked in the table.