

SAPA ROOF GLAZING 5050 U-VALUE

U-values for roof glazing, pitch correction

When glazing is installed in a roof it gives a higher U-value than when it is installed vertically in a facade. The U-value at the centre of the glazing unit increases as follows:

	double-glazed	triple-glazed
Pitch 15°	+ 0.4 W/m ² K	+ 0.3 W/m ² K
Pitch 30°	+ 0.3 W/m ² K	+ 0.2 W/m ² K
Pitch 45°	+ 0.2 W/m ² K	+ 0.1 W/m ² K

Sapa Roof Glazing 5050

U-values glass*	double-glazed. Spacer: warm edge. U _g W/m ² K (centre point)							
	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8
Profile share								
10%	1.5	1.6	1.6	1.7	1.8	1.9	2.0	2.1
15%	1.7	1.7	1.8	1.9	2.0	2.1	2.2	2.2
U-values glass*	triple-glazed. Spacer: warm edge. U _g W/m ² K (centre point)							
	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3
Profile share								
10%	0.87	0.96	1.0	1.1	1.2	1.3	1.4	1.5
15%	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6

* Theoretical U-value calculation with allowance for glass, profile proportion and linear factors for edge zone effects according to EN 10077-1/2. Note that pitch corrections are not included in the table values.

