

Solar Control, Safety and Security Window Films Ecolux™ U-Factor Comparison

Ecolux™ 70 is unlike any other Solar Gard® product today. Typical window films primarily control heat gain in the summer time and do not have winter insulating properties to help your home or building retain heat during the colder months, however, Ecolux 70 has both.

Ecolux 70 reduces the U-Factor of your windows which minimizes your heat lost during the winter. The U-Factor

is the measure of how much heat flows out of your home or building. The lower the U-Factor the less heat is lost through your windows.

The chart below details how much the U-Factor is lowered when installing Ecolux 70 on multiple types of windows. To read this chart, select the U-Factor of your window and see the improvement of your window with Ecolux.


Before and After U-Factor (W/m2):

Window Type:	No film U-Factor: U-Factor	With Ecolux 70 U-Factor	Winter heat loss reduction
Single Pane	5,88	3,44	41%
Double Pane	2,90	2,05	29%
	2,80	1,99	29%
	2,70	1,93	29%
	2,60	1,86	28%
	2,50	1,80	28%
	2,40	1,74	28%
	2,30	1,67	27%
	2,20	1,61	27%
	2,10	1,55	26%
	2,00	1,48	26%
	1,90	1,42	25%
	1,80	1,36	25%
	1,70	1,29	24%
	1,60	1,23	23%
	1,50	1,17	22%
	1,40	1,10	21%
	1,30	1,04	20%
1,20	0,98	19%	
1,10	0,91	17%	
1,00	0,85	15%	

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