

Solar control glazing 03 2021

Clear units							U-Values
width	g value	Rw	RW+Ctr	outer pane	cavity	inner pane	W/m2.K
28mm	0.73	33db	28db	4mm clear	20mm Ar	4mm PT+	1.2
28mm	0.49	33db	28db	4mm clear	20mm Ar	4mm P1	1.1
28mm	0.45	33db	28db	4mm P1	20mm Ar	4mm clear	1.1
28mm	0.44	35db	30db	6mm P1	18mm Ar	4mm clear	1.1
28mm	0.44	33db	28db	6mm P1	16mm Ar	6mm clear	1.0
28.8mm	0.42	34db	29db	6.8mm P1	18mm Ar	4mm clear	1.0
28mm	0.37	33db	28db	4mm SKN176ii	20mm Ar	4mm clear	1.1
28mm	0.37	33db	28db	6mm SKN176ii	16mm Ar	6mm clear	1.0
28.8mm	0.36	34db	29db	6.8mm SKN176ii	18mm Ar	4mm clear	1.0
28.8mm	0.35	37db	31db	6.8mm SKN176ii	16mm Ar	6mm clear	1.0
28mm	0.34	37db	34db	10mm SKN165ii	12mm Ar	6mm clear	1.2
28mm	0.34	37db	31db	6mm SKN165ii	16mm Ar	6mm clear	1.0

Anti -sun							U-Values
width	g value	Rw	RW+Ctr	outer pane	cavity	inner pane	W/m2.K
28mm	0.49	33db	28db	4mm AS	20mm Ar	4mm PT+	1.2
28mm	0.33	33db	28db	4mm AS	20mm Ar	4mm P1	1.1
28mm	0.32	33db	28db	4mm AS	20mm Ar	4mm SKN176ii	1.1
28mm	0.36	33db	28db	4mm SKN176ii	20mm Ar	4mm AS	1.1
28.8mm	0.35	33db	28db	6mm SKN176ii	16mm Ar	6mm AS	1.0
28mm	0.27	33db	28db	6mm AS	16mm Ar	6mm P1	1.0
28mm	0.27	33db	28db	6mm AS	16mm Ar	6mm SKN176ii	1.0

High performance to order							U-Values
width	g value	Rw	RW+Ctr	outer pane	cavity	inner pane	W/m2.K
28.8mm	0.23	33db	28db	6mm SKN144ii	16mm Ar	6mm clear	1.0
28mm	0.21	33db	28db	6mm Xtreme 50-22	16mm Ar	6mm clear	1.0

Notes

g-values are a measurement of the amount of solar radiation energy that passes through glazing. This can be explained when one is sat in front of a window and the sun shines directly at you, you can feel the heat. This can cause a range of effects from drowsiness through to sickness.

Therefore, in large glass areas that experience a high level of direct sunlight, this heat gain may need to be controlled and glass can do this.

The g-value figures can be expressed as a %. Thus, the standard 4/20/4 low e unit in the table lets 73% of solar radiation heat gain pass through, blocking 27%.

The lower this figure, the less solar heat passes through and the better the solar control level is.

Data sheets are available on request.

PT+ = Planitherm Total+

P1= Planitherm One

AS = Antisun - grey used here but others are similar results
Standard 4/20/4 soft coat unit.

regency | glass

the difference is clear

Contact : 01942 262162

stevemassey@regencyglass.co.uk

www.regencyglass.co.uk