


Table 1 – Pilkington Insulight™ Sun – Double Glazing Units

6 mm Pilkington **Optifloat™** Clear inner pane and 16 mm argon-filled cavity, unless otherwise indicated.

Solar control with thermal insulation (low-e)

Product Description	Light		Solar Radiant Heat				Shading Coefficient		U value (W/m²K)	Performance inc. acoustic Light Transmittance / g-value (R _v)		
	Transmittance (LT) %	Reflectance	Direct transmittance	Reflectance	Absorptance	g-value (Total transmittance)	Short wavelength	Total		Pane thickness combinations		
Argon (90%)									6 mm + 6 mm panes	8 mm + 6 mm panes	10 mm + 6 mm panes	
Pilkington Suncool™ - superior solar control with thermal insulation (low-e)												
6 mm 70/40	70	0.10	0.38	0.28	0.34	0.42	0.44	0.48	1.1	70/42 (31 dB)	69/41 (36 dB)	68/40 (40 dB)
6 mm 70/35	69	0.16	0.34	0.35	0.31	0.37	0.39	0.43	1.0	69/37 (31 dB)	68/37 (36 dB)	67/36 (40 dB)
6 mm 66/33	65	0.16	0.32	0.35	0.33	0.36	0.37	0.41	1.0	65/36 (31 dB)	64/35 (36 dB)	64/34 (40 dB)
6 mm 60/31	59	0.11	0.28	0.32	0.40	0.32	0.33	0.37	1.0	59/32 (31 dB)	58/31 (38 dB)	57/31 (40 dB)
6 mm Silver 50/30	49	0.39	0.28	0.43	0.29	0.31	0.32	0.36	1.0	49/31 (31 dB)	49/31 (36 dB)	48/30 (40 dB)
6 mm Blue 50/27	49	0.19	0.25	0.35	0.40	0.28	0.28	0.32	1.1	49/28 (31 dB)	49/28 (36 dB)	48/27 (40 dB)
6 mm 50/25	49	0.18	0.24	0.33	0.43	0.27	0.27	0.31	1.0	49/27 (31 dB)	49/27 (36 dB)	48/26 (40 dB)
6 mm 40/22	39	0.20	0.19	0.35	0.46	0.23	0.22	0.26	1.1	39/23 (31 dB)	39/22 (36 dB)	38/22 (40 dB)
6 mm 30/17	30	0.25	0.15	0.37	0.48	0.18	0.18	0.21	1.1	30/18 (31 dB)	29/18 (36 dB)	29/18 (40 dB)
Pilkington Suncool™ OW* (low iron) - superior solar control with thermal insulation (low-e)												
6 mm 70/40	73	0.10	0.44	0.39	0.17	0.45	0.50	0.52	1.1	73/45 (31 dB)	73/45 (36 dB)	73/45 (40 dB)
6 mm 70/35	73	0.16	0.38	0.47	0.15	0.39	0.43	0.45	1.0	73/39 (31 dB)	73/39 (36 dB)	72/39 (40 dB)
6 mm 66/33	69	0.17	0.36	0.47	0.17	0.37	0.42	0.43	1.0	69/37 (31 dB)	69/37 (36 dB)	68/37 (40 dB)
6 mm 60/31	61	0.11	0.30	0.32	0.38	0.32	0.35	0.37	1.0	61/32 (31 dB)	60/31 (36 dB)	59/31 (40 dB)
6 mm Blue 50/27	52	0.20	0.28	0.46	0.26	0.29	0.32	0.33	1.1	52/29 (31 dB)	52/29 (36 dB)	52/29 (40 dB)
6 mm 50/25	52	0.19	0.27	0.44	0.29	0.28	0.31	0.32	1.0	52/28 (31 dB)	52/28 (36 dB)	52/28 (40 dB)
6 mm 40/22	41	0.21	0.22	0.46	0.32	0.24	0.25	0.28	1.1	41/24 (31 dB)	41/24 (33 dB)	41/23 (40 dB)
6 mm 30/17	32	0.27	0.17	0.50	0.33	0.19	0.20	0.22	1.1	32/19 (31 dB)	31/19 (36 dB)	31/19 (40 dB)
Pilkington Activ Suncool™ (self-cleaning) - superior solar control with thermal insulation (low-e)												
6 mm 70/40	66	0.15	0.35	0.32	0.33	0.39	0.41	0.45	1.1	66/39 (31 dB)	64/39 (36 dB)	64/38 (40 dB)
6 mm 70/35	65	0.21	0.32	0.44	0.24	0.35	0.37	0.40	1.0	65/35 (31 dB)	64/35 (36 dB)	64/34 (40 dB)
6 mm 66/33	61	0.21	0.30	0.40	0.30	0.33	0.35	0.38	1.0	61/33 (31 dB)	61/33 (36 dB)	60/32 (40 dB)
6 mm 60/31	56	0.24	0.27	0.41	0.32	0.30	0.31	0.34	1.0	56/30 (31 dB)	55/30 (36 dB)	54/29 (40 dB)
6 mm Silver 50/30	47	0.42	0.27	0.52	0.21	0.30	0.31	0.34	1.0	47/30 (31 dB)	47/30 (36 dB)	46/29 (40 dB)
6 mm Blue 50/27	47	0.24	0.23	0.39	0.38	0.27	0.27	0.31	1.1	47/27 (31 dB)	46/26 (36 dB)	46/26 (40 dB)
6 mm 50/25	47	0.23	0.23	0.42	0.35	0.26	0.26	0.30	1.0	47/26 (31 dB)	46/25 (36 dB)	46/25 (40 dB)
6 mm 40/22	37	0.25	0.18	0.40	0.42	0.21	0.21	0.24	1.1	37/21 (31 dB)	37/21 (36 dB)	36/21 (40 dB)
6 mm 30/17	28	0.30	0.14	0.40	0.46	0.17	0.17	0.20	1.1	28/17 (31 dB)	28/17 (36 dB)	28/17 (40 dB)
Pilkington Eclipse Advantage™ + Pilkington Optitherm™ S3 inner pane - solar control + thermal insulation												
6 mm Clear	59	0.28	0.37	0.27	0.36	0.45	0.43	0.52	1.1	59/45 (31 dB)	N/A	N/A
6 mm Blue-Green	50	0.20	0.26	0.14	0.60	0.32	0.30	0.37	1.1	50/32 (31 dB)	N/A	N/A
6 mm Bronze	33	0.12	0.22	0.13	0.65	0.29	0.25	0.33	1.1	33/29 (31 dB)	N/A	N/A
6 mm Grey	28	0.10	0.19	0.11	0.70	0.25	0.22	0.29	1.1	28/25 (31 dB)	N/A	N/A
6 mm EverGreen	42	0.17	0.19	0.10	0.71	0.25	0.22	0.29	1.1	42/25 (31 dB)	N/A	N/A
6 mm Arctic Blue	34	0.13	0.18	0.09	0.73	0.24	0.21	0.28	1.1	34/24 (31 dB)	N/A	N/A
Pilkington Solar-E™ Clear + Pilkington Optitherm™ S3 inner pane - solar control + thermal insulation												
6 mm Pilkington Solar-E™ Clear	52	0.10	0.32	0.11	0.57	0.39	0.36	0.45	1.1	52/39 (31 dB)	N/A	N/A

 * With 6 mm Pilkington **Optiwhite™** inner pane.

Table 2 – Pilkington **Insulight™** Sun Triple – Triple Glazing Units

6 mm Pilkington **Optifloat™** S3 mid-pane,[#]
6 mm Pilkington **Optifloat™** Clear inner pane,
with 16 mm argon cavities, unless otherwise indicated.

Solar control with thermal insulation (low-e)

Product Description	Light		Solar Radiant Heat				Shading Coefficient		U value (W/m ² K)	Performance inc. acoustic Light Transmittance / g-value (R _w)		
	Transmittance (LT) %	Reflectance	Direct transmittance	Reflectance	Absorptance	g-value (*Total transmittance)	Short wavelength	Total		Argon (90%)	Pane thickness combinations	
Outer Pane											6 mm + 6 mm + 6 mm	8 mm + 6 mm + 6 mm
Pilkington Suncool™ - superior solar control with thermal insulation (low-e)												
6 mm 70/40	61	0.13	0.30	0.29	0.41	0.36	0.35	0.41	0.6	61/36 (34 dB)	60/35 (38 dB)	59/35 (N/A)
6 mm 70/35	61	0.19	0.28	0.36	0.36	0.33	0.32	0.38	0.6	61/33 (34 dB)	60/32 (38 dB)	59/31 (N/A)
6 mm 66/33	57	0.19	0.26	0.36	0.38	0.31	0.30	0.36	0.6	57/31 (34 dB)	57/31 (38 dB)	56/30 (N/A)
6 mm 60/31	52	0.13	0.23	0.33	0.44	0.28	0.27	0.32	0.6	52/28 (34 dB)	51/27 (38 dB)	50/27 (N/A)
6 mm Silver 50/30	44	0.40	0.22	0.44	0.34	0.27	0.25	0.31	0.6	44/27 (34 dB)	43/26 (38 dB)	43/26 (N/A)
6 mm Blue 50/27	43	0.20	0.20	0.35	0.45	0.24	0.23	0.28	0.6	43/24 (34 dB)	43/24 (38 dB)	42/23 (N/A)
6 mm 50/25	43	0.20	0.19	0.33	0.48	0.23	0.22	0.26	0.6	43/23 (34 dB)	43/23 (38 dB)	42/23 (N/A)
6 mm 40/22	35	0.21	0.16	0.35	0.49	0.19	0.18	0.22	0.6	35/19 (34 dB)	34/19 (38 dB)	34/19 (N/A)
6 mm 30/17	26	0.26	0.12	0.37	0.51	0.15	0.14	0.17	0.6	26/15 (34 dB)	26/15 (38 dB)	26/15 (N/A)
Pilkington Suncool™ OW* (low iron) - superior solar control with thermal insulation (low-e)												
6 mm 70/40	64	0.13	0.34	0.41	0.25	0.38	0.39	0.44	0.6	64/38 (34 dB)	64/38 (38 dB)	64/38 (N/A)
6 mm 70/35	64	0.19	0.31	0.49	0.20	0.34	0.35	0.39	0.6	64/34 (34 dB)	64/34 (38 dB)	64/34 (N/A)
6 mm 66/33	60	0.20	0.29	0.49	0.22	0.33	0.34	0.38	0.6	60/33 (34 dB)	60/32 (38 dB)	60/32 (N/A)
6 mm 60/31	53	0.13	0.25	0.33	0.42	0.28	0.28	0.32	0.6	53/28 (34 dB)	52/27 (38 dB)	52/27 (N/A)
6 mm Blue 50/27	46	0.21	0.23	0.47	0.30	0.25	0.26	0.29	0.6	46/25 (34 dB)	46/25 (38 dB)	46/25 (N/A)
6 mm 50/25	46	0.21	0.22	0.45	0.33	0.24	0.25	0.28	0.6	46/24 (34 dB)	46/24 (38 dB)	46/24 (N/A)
6 mm 40/22	36	0.22	0.18	0.47	0.35	0.20	0.20	0.23	0.6	36/20 (34 dB)	36/20 (38 dB)	36/20 (N/A)
6 mm 30/17	28	0.27	0.14	0.50	0.36	0.16	0.16	0.18	0.6	28/16 (34 dB)	28/16 (38 dB)	28/16 (N/A)

* 6 mm Pilkington **Optitherm™** S3 mid-pane with 6 mm Pilkington **Optiwhite™** inner pane.

Pilkington **Optitherm™** S3 coating on surface 4 (counting from the outside)

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