



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	0.43	0.44	0.49	1.1	70/43 (33 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 (33 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 (33 dB)	64/35 (36 dB)	64/35 (40 dB)
6 mm 60/30	59	0.19	0.29	0.36	0.35	0.32	0.33	0.37	1.0	59/32 (33 dB)	58/32 (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 (33 dB)	49/31 (36 dB)	48/30 (40 dB)
6 mm Blue 50/27	49	0.19	0.25	0.34	0.41	0.28	0.29	0.32	1.1	49/28 (33 dB)	49/28 (36 dB)	48/27 (40 dB)
6 mm 50/25	49	0.18	0.24	0.33	0.43	0.27	0.28	0.31	1.0	49/27 (33 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 (33 dB)	39/22 (36 dB)	38/22 (40 dB)
6 mm 30/17	30	0.25	0.15	0.37	0.48	0.18	0.17	0.21	1.1	30/18 (33 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	71	0.10	0.40	0.39	0.21	0.45	0.46	0.52	1.1	71/45 (33 dB)	71/44 (36 dB)	71/44 (40 dB)
6 mm 70/35	71	0.16	0.35	0.47	0.18	0.39	0.40	0.45	1.0	71/39 (33 dB)	70/38 (36 dB)	70/38 (40 dB)
6 mm 66/33	67	0.17	0.34	0.47	0.19	0.37	0.39	0.43	1.0	67/37 (33 dB)	66/37 (36 dB)	66/37 (40 dB)
6 mm 60/30	61	0.20	0.30	0.49	0.21	0.34	0.34	0.39	1.0	61/34 (33 dB)	60/33 (36 dB)	60/33 (40 dB)
6 mm Blue 50/27	51	0.20	0.26	0.46	0.28	0.29	0.30	0.33	1.1	51/29 (33 dB)	51/29 (36 dB)	50/29 (40 dB)
6 mm 50/25	51	0.19	0.25	0.44	0.31	0.28	0.29	0.32	1.0	51/28 (33 dB)	50/28 (36 dB)	50/28 (40 dB)
6 mm 40/22	40	0.21	0.20	0.46	0.34	0.23	0.23	0.26	1.1	40/23 (33 dB)	40/23 (36 dB)	40/23 (40 dB)
6 mm 30/17	31	0.27	0.16	0.50	0.34	0.19	0.18	0.22	1.1	31/19 (33 dB)	31/19 (36 dB)	30/19 (40 dB)
Pilkington Activ Suncool™ (self-cleaning) - superior solar control with thermal insulation (low-e)												
6 mm 70/40	65	0.16	0.36	0.38	0.26	0.40	0.41	0.46	1.1	65/40 (33 dB)	65/39 (36 dB)	64/39 (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 (33 dB)	64/35 (36 dB)	64/34 (40 dB)
6 mm 66/33	61	0.21	0.31	0.44	0.25	0.34	0.36	0.39	1.0	61/33 (34 dB)	61/33 (36 dB)	60/33 (40 dB)
6 mm 60/30	56	0.24	0.27	0.41	0.32	0.30	0.31	0.34	1.0	56/30 (33 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 (33 dB)	47/30 (36 dB)	46/29 (40 dB)
6 mm Blue 50/27	47	0.24	0.24	0.44	0.32	0.27	0.28	0.31	1.1	47/27 (33 dB)	46/27 (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 (33 dB)	46/25 (36 dB)	46/25 (40 dB)
6 mm 40/20	37	0.25	0.19	0.44	0.37	0.21	0.22	0.24	1.1	37/21 (33 dB)	37/21 (36 dB)	36/21 (40 dB)
6 mm 30/17	28	0.30	0.15	0.46	0.39	0.17	0.17	0.20	1.1	28/17 (33 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 (33 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 (33 dB)	N/A	N/A
6 mm Bronze	33	0.12	0.22	0.13	0.65	0.28	0.25	0.32	1.1	33/28 (33 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 (33 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 (33 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 (33 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	0.37	0.45	1.1	52/39 (33 dB)	N/A	N/A

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	10 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	0.34	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 60/30	52	0.21	0.24	0.37	0.39	0.28	0.28	0.32	0.6	52/28 (34 dB)	51/28 (38 dB)	51/27 (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	0.36	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	0.33	0.38	0.6	60/33 (34 dB)	60/32 (38 dB)	60/32 (N/A)
6 mm 60/30	55	0.22	0.26	0.50	0.24	0.29	0.30	0.33	0.6	55/29 (34 dB)	55/29 (38 dB)	55/29 (N/A)
6 mm Blue 50/27	46	0.21	0.23	0.47	0.30	0.24	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)

This publication provides only a general description of the products. Further, more detailed information may be obtained from your local supplier of Pilkington products. It is the responsibility of the user to ensure that the use of these products is appropriate for any particular application and that such use complies with all relevant legislation, standards, code of practice and other requirements. To the fullest extent permitted by applicable laws, Nippon Sheet Glass Co. Ltd. and its subsidiary companies disclaim all liability for any error in or omission from this publication and for all consequences of relying on it.



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