

Pilkington **Activ™** Range Performance Data



Table 1 – Performance Data Pilkington **Insulight Activ™** with 6 mm Pilkington **Optifloat™** Clear inner pane unless otherwise indicated.

Product Description	Light		Solar Radiant Heat				Shading Coefficients			U _g -value (W/m ² K)	Unit Maximum Sizes		Descriptive Code
	Transmittance	Reflectance	Direct Transmittance	Reflectance	Absorptance	Total Transmittance (g value)	Short Wavelength	Long Wavelength	Total	Argon (90%)	Annealed (mm)	Toughened (mm)	
Pilkington Insulight Activ™ (with 4 mm Pilkington Optifloat™ Clear inner pane and 16 mm 90% argon filled cavity)													
4 mm Pilkington Activ™ Clear	0.77	0.20	0.70	0.19	0.11	0.74	0.80	0.05	0.85	2.6	2000×1200	2000×1500	77/74
4 mm Pilkington Activ™ Blue	0.53	0.18	0.39	0.15	0.46	0.45	0.45	0.07	0.52	2.6	2000×1200	2000×1500	53/45
4 mm Pilkington Activ™ Bronze	0.53	0.18	0.48	0.16	0.36	0.53	0.55	0.06	0.61	2.6	2000×1200	2000×1500	53/53
4 mm Pilkington Activ SunShade™ Neutral	0.45	0.30	0.41	0.24	0.35	0.47	0.47	0.07	0.54	2.6	2000×1200	2000×1500	45/47
4 mm Pilkington Activ SunShade™ Blue	0.29	0.22	0.21	0.17	0.62	0.28	0.24	0.08	0.32	2.5	2000×1200	2000×1500	29/28
Pilkington Insulight Activ™ (with 4 mm Pilkington K Glass™ inner pane and 16 mm 90% argon filled cavity)													
4 mm Pilkington Activ™ Clear	0.71	0.23	0.59	0.21	0.19	0.70	0.68	0.12	0.80	1.5	2000×1200	2000×1500	71/70
4 mm Pilkington Activ™ Blue	0.49	0.19	0.33	0.16	0.51	0.41	0.38	0.09	0.47	1.5	2000×1200	2000×1500	49/41
4 mm Pilkington Activ™ Bronze	0.49	0.19	0.40	0.18	0.42	0.49	0.46	0.10	0.56	1.5	2000×1200	2000×1500	49/49
4 mm Pilkington Activ SunShade™ Neutral	0.42	0.31	0.35	0.25	0.40	0.43	0.40	0.09	0.49	1.5	2000×1200	2000×1500	42/43
4 mm Pilkington Activ SunShade™ Blue	0.27	0.22	0.18	0.17	0.65	0.25	0.21	0.08	0.29	1.5	2000×1200	2000×1500	27/25
Pilkington Insulight Activ™ (with 4 mm Pilkington K Glass™ S inner pane and 16 mm 90% argon filled cavity)													
4 mm Pilkington Activ™ Clear	0.75	0.17	0.57	0.25	0.17	0.67	0.66	0.11	0.77	1.2	2000×1200	2000×1500	75/67
4 mm Pilkington Activ™ Blue	0.52	0.17	0.33	0.16	0.51	0.39	0.38	0.07	0.45	1.2	2000×1200	2000×1500	52/39
4 mm Pilkington Activ™ Bronze	0.51	0.17	0.39	0.20	0.41	0.47	0.45	0.09	0.54	1.2	2000×1200	2000×1500	51/47
4 mm Pilkington Activ SunShade™ Neutral	0.44	0.29	0.34	0.26	0.40	0.41	0.39	0.08	0.47	1.2	2000×1200	2000×1500	44/41
4 mm Pilkington Activ SunShade™ Blue	0.28	0.22	0.18	0.17	0.65	0.24	0.21	0.07	0.28	1.2	2000×1200	2000×1500	28/24
Pilkington Insulight Activ™ (with 4 mm Pilkington Optitherm™ S3 inner pane and 16 mm 90% argon filled cavity)													
4 mm Pilkington Activ™ Clear	0.75	0.18	0.52	0.33	0.15	0.59	0.60	0.08	0.68	1.1	2000×1200	2000×1500	75/59
4 mm Pilkington Activ™ Blue	0.52	0.17	0.31	0.18	0.51	0.36	0.36	0.05	0.41	1.1	2000×1200	2000×1500	52/36
4 mm Pilkington Activ™ Bronze	0.52	0.17	0.35	0.23	0.42	0.41	0.40	0.07	0.47	1.1	2000×1200	2000×1500	52/41
4 mm Pilkington Activ SunShade™ Neutral	0.44	0.29	0.31	0.29	0.40	0.36	0.36	0.05	0.41	1.1	2000×1200	2000×1500	44/36
4 mm Pilkington Activ SunShade™ Blue	0.29	0.22	0.17	0.18	0.65	0.22	0.20	0.05	0.25	1.1	2000×1200	2000×1500	29/22
Pilkington Insulight Activ™ (with 4 mm Pilkington Optitherm™ S1 Plus inner pane and 16 mm 90% argon filled cavity)													
4 mm Pilkington Activ™ Clear	0.72	0.22	0.46	0.39	0.15	0.52	0.53	0.07	0.60	1.0	2000×1200	2000×1500	72/52
4 mm Pilkington Activ™ Blue	0.50	0.19	0.28	0.19	0.53	0.33	0.32	0.06	0.38	1.0	2000×1200	2000×1500	50/33
4 mm Pilkington Activ™ Bronze	0.49	0.19	0.31	0.26	0.43	0.36	0.36	0.05	0.41	1.0	2000×1200	2000×1500	49/36
4 mm Pilkington Activ SunShade™ Neutral	0.42	0.31	0.28	0.31	0.41	0.32	0.32	0.05	0.37	1.0	2000×1200	2000×1500	42/32
4 mm Pilkington Activ SunShade™ Blue	0.27	0.22	0.16	0.18	0.66	0.20	0.18	0.05	0.23	1.0	2000×1200	2000×1500	27/20
Pilkington Insulight Activ™ (with 6 mm Pilkington Optifloat™ Clear inner pane and 16 mm 90% argon filled cavity)													
6 mm Pilkington Activ™ Clear	0.75	0.20	0.63	0.18	0.19	0.71	0.72	0.10	0.82	2.6	2500×1500	4000×2000	75/71
6 mm Pilkington Activ SunShade™ Neutral	0.44	0.29	0.36	0.22	0.42	0.44	0.41	0.10	0.51	2.5	2500×1500	4000×2000	44/44
6 mm Pilkington Activ™ Blue	0.44	0.16	0.28	0.14	0.58	0.36	0.32	0.09	0.41	2.6	2500×1500	4000×2000	44/36
Pilkington Insulight Activ™ (with 6 mm Pilkington K Glass™ inner pane and 16 mm 90% argon filled cavity)													
6 mm Pilkington Activ™ Clear	0.69	0.22	0.55	0.21	0.24	0.68	0.63	0.15	0.78	1.5	2500×1500	4000×2000	69/68
6 mm Pilkington Activ SunShade™ Neutral	0.40	0.30	0.31	0.23	0.46	0.41	0.36	0.11	0.47	1.5	2500×1500	4000×2000	40/41
6 mm Pilkington Activ™ Blue	0.40	0.17	0.24	0.14	0.62	0.32	0.28	0.09	0.37	1.5	2500×1500	4000×2000	40/32
Pilkington Insulight Activ™ (with 6 mm Pilkington K Glass™ S inner pane and 16 mm 90% argon filled cavity)													
6 mm Pilkington Activ™ Clear	0.72	0.17	0.52	0.34	0.24	0.65	0.60	0.15	0.75	1.2	2500×1500	4000×2000	72/65
6 mm Pilkington Activ SunShade™ Neutral	0.42	0.28	0.30	0.24	0.46	0.39	0.34	0.11	0.45	1.2	2500×1500	4000×2000	42/39
6 mm Pilkington Activ™ Blue	0.42	0.15	0.24	0.14	0.62	0.31	0.28	0.08	0.36	1.2	2500×1500	4000×2000	42/31
Pilkington Insulight Activ™ (with 6 mm Pilkington Optitherm™ S3 inner pane and 16 mm 90% argon filled cavity)													
6 mm Pilkington Activ™ Clear	0.73	0.18	0.48	0.31	0.21	0.57	0.55	0.11	0.66	1.1	2500×1500	4000×2000	73/57
6 mm Pilkington Activ SunShade™ Neutral	0.43	0.28	0.28	0.27	0.44	0.35	0.32	0.08	0.40	1.1	2500×1500	4000×2000	43/35
6 mm Pilkington Activ™ Blue	0.43	0.15	0.23	0.15	0.62	0.29	0.26	0.07	0.33	1.1	2500×1500	4000×2000	43/29
Pilkington Insulight Activ™ (with 6 mm Pilkington Optitherm™ S1 Plus inner pane and 16 mm 90% argon filled cavity)													
6 mm Pilkington Activ™ Clear	0.70	0.22	0.44	0.37	0.19	0.51	0.51	0.08	0.59	1.0	2500×1500	4000×2000	70/51
6 mm Pilkington Activ SunShade™ Neutral	0.41	0.29	0.26	0.29	0.45	0.31	0.30	0.06	0.36	1.0	2500×1500	4000×2000	41/31
6 mm Pilkington Activ™ Blue	0.41	0.17	0.21	0.16	0.63	0.26	0.24	0.06	0.30	1.0	2500×1500	4000×2000	41/26

All performance data determined in accordance with EN 410 and EN 673.

Table 2 – Performance Data Pilkington **Insulight Activ™** with 6 mm Pilkington **Optifloat™** Clear inner pane.

Product Description	Light		Solar Radiant Heat				Shading Coefficients			U _g -value (W/m ² K)	Unit Maximum Sizes		Descriptive Code
	Transmittance	Reflectance	Direct Transmittance	Reflectance	Absorptance	Total Transmittance (g value)	Short Wavelength	Long Wavelength	Total	Argon (90%)	Annealed (mm)	Toughened (mm)	
Pilkington Insulight Activ™ (with 6 mm Pilkington Optifloat™ Clear inner pane and 16 mm 90% argon filled cavity)													
6 mm Pilkington Activ Suncool™ 70/40	0.65	0.16	0.36	0.38	0.26	0.40	0.41	0.05	0.46	1.1	2500×1500	4000×2000	65/40
6 mm Pilkington Activ Suncool™ 70/35	0.65	0.21	0.32	0.44	0.24	0.35	0.37	0.03	0.40	1.0	2500×1500	4000×2000	65/35
6 mm Pilkington Activ Suncool™ 66/33	0.61	0.21	0.31	0.44	0.25	0.34	0.36	0.03	0.39	1.0	2500×1500	4000×2000	61/34
6 mm Pilkington Activ Suncool™ Silver 50/30	0.47	0.42	0.27	0.52	0.21	0.30	0.31	0.03	0.34	1.0	2500×1500	4000×2000	47/30
6 mm Pilkington Activ Suncool™ Blue 50/27	0.47	0.24	0.23	0.39	0.38	0.27	0.27	0.04	0.31	1.1	2500×1500	4000×2000	47/27
6 mm Pilkington Activ Suncool™ 50/25	0.47	0.23	0.23	0.42	0.35	0.26	0.26	0.04	0.30	1.0	2500×1500	4000×2000	47/26
6 mm Pilkington Activ Suncool™ 40/22	0.37	0.25	0.19	0.44	0.37	0.21	0.22	0.02	0.24	1.1	2500×1500	4000×2000	37/21
6 mm Pilkington Activ Suncool™ 30/17	0.28	0.30	0.15	0.46	0.39	0.17	0.17	0.03	0.20	1.1	2500×1500	4000×2000	28/17

All performance data determined in accordance with EN 410 and EN 673.

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KJM Windows & Conservatories, 9 Mylen Business Centre, Andover, Hampshire, SP10 3HR
Tel 01264 359355 Fax 01264 353441 email sales@kjmgroupp.co.uk www.kjmgroupp.co.uk



Pilkington United Kingdom Ltd

European Technical Centre

Hall Lane, Lathom, Nr. Ormskirk, Lancs L40 5UF United Kingdom

pilkington@respond.uk.com

www.pilkington.co.uk