



Pilkington Suncool™ Range - performance data

External glass pane	Light (%)		Solar radiant heat (%)				Total shading coefficient	U _g value [W/m ² K] Argon (90%)	Pro T version	Matching Spandrel Glass
	Transmittance	Reflectance	Direct transmittance	Reflectance	Absorbance	Total solar heat transmittance				
Double glazed unit (6 mm external pane – 16 mm argon – 4 mm Pilkington Optifloat™ Clear)										
Pilkington Suncool™ 71/39	71	13	36	34	29	39	0.45	1.0	YES	—
Pilkington Suncool™ 70/40	73	10	41	31	29	43	0.49	1.1	YES	—
Pilkington Suncool™ 70/35	71	16	35	35	30	37	0.43	1.0	YES	E200
Pilkington Suncool™ Q 70	70	10	31	34	34	33	0.38	1.0	YES	—
Pilkington Suncool™ 66/33	67	16	34	36	30	36	0.41	1.0	YES	E200
Pilkington Suncool™ Grey 61/32	61	9	29	27	44	32	0.37	1.0	NO	—
Pilkington Suncool™ One 60/40	61	23	39	34	27	42	0.48	1.0	YES	—
Pilkington Suncool™ 60/31	60	13	30	34	36	32	0.37	1.0	YES	E200
Pilkington Suncool™ Q 60	60	9	25	38	37	27	0.31	1.0	YES	—
Pilkington Suncool™ 50/25	50	19	25	36	40	27	0.31	1.0	YES	E200
Pilkington Suncool™ Q 50	50	8	20	36	44	22	0.25	1.0	NO	—
Pilkington Suncool™ Blue 50/27	51	19	26	35	39	28	0.32	1.0	YES	E130
Pilkington Suncool™ Silver 50/30	51	40	30	47	23	32	0.37	1.0	YES	E120
Pilkington Suncool™ 40/22	40	20	20	35	45	23	0.26	1.1	YES	E140
Pilkington Suncool™ One 30/21	31	32	19	38	43	21	0.24	1.0	YES	—
Pilkington Suncool™ 30/16	30	25	16	40	44	18	0.21	1.0	YES	E140
Double glazed unit (6 mm external pane – 16 mm argon – 4 mm Pilkington Optiwhite™)										
Pilkington Suncool™ 71/39 OW	73	13	39	42	19	40	0.46	1.0	YES	—
Pilkington Suncool™ 70/40 OW	75	10	44	37	19	45	0.52	1.1	YES	—
Pilkington Suncool™ 70/35 OW	73	16	38	43	19	39	0.45	1.0	YES	E200
Pilkington Suncool™ Q 70 OW	71	11	33	42	25	34	0.39	1.0	YES	—
Pilkington Suncool™ 66/33 OW	69	17	36	44	20	37	0.43	1.0	YES	E200
Pilkington Suncool™ 60/31 OW	62	13	32	41	27	33	0.38	1.0	YES	E200
Pilkington Suncool™ Q 60 OW	62	9	26	46	28	27	0.31	1.0	YES	—
Pilkington Suncool™ 50/25 OW	52	19	26	43	31	28	0.32	1.0	YES	E200
Pilkington Suncool™ Q 50 OW	51	8	21	44	35	22	0.25	1.0	NO	—
Pilkington Suncool™ 40/22 OW	42	21	22	46	32	24	0.28	1.1	YES	E140
Pilkington Suncool™ 30/16 OW	31	25	17	49	34	19	0.22	1.0	YES	E140
Triple glazed unit (6 mm external pane – 12 mm argon – 4 mm Pilkington Optifloat™ Clear – 12 mm argon – 4 mm Pilkington Optitherm™ S3)										
Pilkington Suncool™ 71/39	65	15	32	36	33	36	0.41	0.7	YES	—
Pilkington Suncool™ 70/40	66	12	35	32	33	39	0.45	0.7	YES	—
Pilkington Suncool™ 70/35	64	18	31	36	34	35	0.40	0.7	YES	E200
Pilkington Suncool™ Q 70	63	12	28	35	37	31	0.36	0.7	YES	—
Pilkington Suncool™ 66/33	61	18	29	37	34	33	0.38	0.7	YES	E200
Pilkington Suncool™ Grey 61/32	55	11	26	27	47	29	0.33	0.7	NO	—
Pilkington Suncool™ One 60/40	55	24	32	35	33	37	0.43	0.7	YES	—
Pilkington Suncool™ 60/31	54	14	26	35	39	30	0.34	0.7	YES	E200
Pilkington Suncool™ Q 60	54	11	22	38	40	25	0.29	0.7	YES	—
Pilkington Suncool™ 50/25	46	20	21	36	42	25	0.29	0.7	YES	E200
Pilkington Suncool™ Q 50	45	9	18	36	46	21	0.24	0.7	NO	—
Pilkington Suncool™ Blue 50/27	46	20	22	35	42	26	0.30	0.7	YES	E130
Pilkington Suncool™ Silver 50/30	46	41	25	48	27	29	0.33	0.7	YES	E120
Pilkington Suncool™ 40/22	37	21	17	35	47	21	0.24	0.7	YES	E140
Pilkington Suncool™ One 30/21	28	32	15	38	47	19	0.22	0.7	YES	—
Pilkington Suncool™ 30/16	28	25	14	40	46	16	0.18	0.7	YES	E140

The above performance data has been determined in accordance with EN 410 and EN 673. Solar control coating on surface 2.

The U_g-value for gas-filled Insulating Glass Units has been based on 90% argon gas fill.

Please note: Solar control glass in annealed form may be subject to thermal stress and a thermal safety check is advisable for all applications.

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	Transmittance	Reflectance	Direct transmittance	Reflectance	Absorptance	Total solar heat transmittance				
Triple glazed unit (6 mm external pane – 12 mm argon – 4 mm Pilkington Optiwhite [™] – 12 mm argon – 4 mm Pilkington Optitherm [™] S3)										
Pilkington Suncool [™] 71/39 OW	67	15	34	43	23	37	0.43	0.7	YES	—
Pilkington Suncool [™] 70/40 OW	68	12	37	39	24	41	0.47	0.7	YES	—
Pilkington Suncool [™] 70/35 OW	66	18	33	45	23	36	0.41	0.7	YES	E200
Pilkington Suncool [™] Q 70 OW	65	13	29	43	28	32	0.37	0.7	YES	—
Pilkington Suncool [™] 66/33 OW	62	18	31	45	24	35	0.40	0.7	YES	E200
Pilkington Suncool [™] 60/31 OW	56	15	28	42	30	31	0.36	0.7	YES	E200
Pilkington Suncool [™] Q 60 OW	56	11	23	46	30	26	0.30	0.7	YES	—
Pilkington Suncool [™] 50/25 OW	47	20	23	43	34	26	0.30	0.7	YES	E200
Pilkington Suncool [™] Q 50 OW	46	10	19	44	37	21	0.24	0.7	NO	—
Pilkington Suncool [™] 40/22 OW	38	22	19	47	35	22	0.25	0.7	YES	E140
Pilkington Suncool [™] 30/16 OW	28	26	15	49	26	17	0.20	0.7	YES	E140

The above performance data has been determined in accordance with EN 410 and EN 673. Solar control coating on surface 2.

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Please note: Solar control glass in annealed form may be subject to thermal stress and a thermal safety check is advisable for all applications.

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Pilkington Group Limited
 European Technical Centre
 Hall Lane – Lathom Nr Ormskirk L40 5UF – United Kingdom
marketing.communications@nsg.com
www.pilkington.com