



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	Absorptance	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	0.44	1.0	YES	—
Pilkington Suncool™ 70/40	73	10	41	31	29	43	0.50	1.1	YES	—
Pilkington Suncool™ 70/35	71	16	35	35	30	37	0.43	1.0	YES	E200
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	60	22	38	30	32	40	0.46	1.0	YES	—
Pilkington Suncool™ 60/31	60	13	30	34	36	32	0.37	1.0	YES	E200
Pilkington Suncool™ Q 60/25	60	9	25	38	37	27	0.31	1.0	NO	—
Pilkington Suncool™ 50/25	50	19	25	36	40	27	0.31	1.0	YES	E200
Pilkington Suncool™ Blue 50/27	51	19	26	35	39	28	0.32	1.1	NO	E130
Pilkington Suncool™ Silver 50/30	51	40	30	47	23	32	0.36	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	30	31	18	34	48	21	0.24	1.0	YES	—
Pilkington Suncool™ 30/17	30	26	16	37	46	19	0.21	1.1	NO	E140
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	37	42	21	38	0.44	1.0	YES	E200
Pilkington Suncool™ 66/33 OW	69	17	36	44	20	37	0.42	1.0	YES	E200
Pilkington Suncool™ 60/31 OW	62	13	32	41	27	33	0.38	1.0	YES	E200
Pilkington Suncool™ Q 60/25 OW	62	9	26	46	28	27	0.31	1.0	NO	—
Pilkington Suncool™ 50/25 OW	52	19	26	43	31	28	0.32	1.0	YES	E200
Pilkington Suncool™ 40/22 OW	42	21	22	46	32	24	0.27	1.1	YES	E140
Pilkington Suncool™ 30/17 OW	31	26	17	44	39	19	0.22	1.1	NO	E140
Pilkington Suncool™ 30/16 OW	31	25	17	47	36	19	0.21	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™ 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	0.34	0.7	NO	—
Pilkington Suncool™ One 60/40	55	24	31	32	38	36	0.41	0.7	YES	—
Pilkington Suncool™ 60/31	54	14	26	35	39	30	0.34	0.7	YES	E200
Pilkington Suncool™ Q 60/25	54	11	22	38	40	25	0.29	0.7	NO	—
Pilkington Suncool™ 50/25	46	20	21	36	42	25	0.28	0.7	YES	E200
Pilkington Suncool™ Blue 50/27	46	20	22	35	42	26	0.30	0.7	NO	E130
Pilkington Suncool™ Silver 50/30	46	41	25	48	27	29	0.34	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	27	31	15	34	51	18	0.21	0.7	YES	—
Pilkington Suncool™ 30/17	28	26	14	38	49	17	0.19	0.7	NO	E140
Pilkington Suncool™ 30/16	28	25	14	40	46	16	0.19	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.

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	Absorptance	Total solar heat transmittance				
Triple glazed unit (6 mm external pane – 12 mm argon – 4 mm Pilkington Optiwhite [™] Clear – 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	13	37	39	24	41	0.48	0.7	YES	—
Pilkington Suncool [™] 70/35 OW	66	18	32	43	25	36	0.41	0.7	YES	E200
Pilkington Suncool [™] 66/33 OW	62	19	31	45	24	35	0.40	0.7	YES	E200
Pilkington Suncool [™] 60/31 OW	56	15	28	42	30	31	0.35	0.7	YES	E200
Pilkington Suncool [™] Q 60/25 OW	56	11	23	46	30	26	0.30	0.7	NO	—
Pilkington Suncool [™] 50/25 OW	47	20	23	43	34	26	0.29	0.7	YES	E200
Pilkington Suncool [™] 40/22 OW	38	22	19	47	35	22	0.25	0.7	YES	E140
Pilkington Suncool [™] 30/17 OW	28	27	15	44	41	17	0.20	0.7	NO	E140
Pilkington Suncool [™] 30/16 OW	28	26	14	47	38	17	0.19	0.7	YES	E140

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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, codes 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. Pilkington, "Suncool", "Optifloat", "Optiwhite" and "Optitherm" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.



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The Declaration of Performance for each product, including declared values, can be found at www.pilkington.com/CE



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