



Pilkington Thermal Insulation Glass Range - performance data

Outer/inner glass pane	Light (%)		Solar radiant heat (%)				Total shading coefficient	U _g value [W/m ² K] Argon (90%)
	Transmittance	Reflectance	Direct transmittance	Reflectance	Absorptance	Total solar heat transmittance		
Double Insulating Glass Unit construction (4 mm Pilkington Optifloat [™] Clear – 16 mm argon – 4 mm inner pane)								
Pilkington K Glass [™] N	76	18	65	17	19	75	0.86	1.4
Pilkington Optitherm [™] S3	82	11	57	26	17	65	0.75	1.1
Pilkington Optitherm [™] S1A	76	16	46	36	17	55	0.63	1.0
Triple Insulating Glass Unit construction (4 mm outer pane – 12 mm argon – 4 mm Pilkington Optifloat [™] Clear – 12 mm argon – 4 mm inner pane)								
Pilkington K Glass [™] N	65	24	51	20	29	60	0.69	0.9
Pilkington Optitherm [™] S3	74	14	45	29	26	53	0.61	0.7
Pilkington Optitherm [™] S1A	64	23	33	42	25	40	0.46	0.7
Triple Insulating Glass Unit construction (4 mm outer pane – 16 mm argon – 4 mm Pilkington Optifloat [™] Clear – 16 mm argon – 4 mm inner pane)								
Pilkington K Glass [™] N	65	24	51	20	29	61	0.70	0.8
Pilkington Optitherm [™] S3	74	14	45	29	26	53	0.61	0.6
Pilkington Optitherm [™] S1A	64	23	33	42	25	40	0.46	0.5

The above performance data has been determined in accordance with EN 410 and EN 673.

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

The low-e coating is on position 3 in double glazed units and on position 2 and 5 in triple glazed units.

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, "Optifloat", "K Glass" and "Optitherm" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.



CE marking confirms that a product complies with its relevant harmonised European Norm.
The Declaration of Performance for each product, including declared values, can be found at www.pilkington.com/CE



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