

Pilkington **Optifloat™**

Technical Information Datasheet

Glass/ Thickness	Light (%)			Solar radiant heat (%)				Total shading coefficient	U _g [W/m ² K]
	Transmittance	Reflectance external	Reflectance internal	Direct transmittance	Reflectance	Absorptance	Total transmission		Argon (90%)
Pilkington Optifloat™ Clear									
2 mm	91	8	8	89	8	3	90	1.09	5.8
3 mm	91	8	8	88	8	5	89	1.02	5.8
4 mm	91	8	8	86	8	6	88	1.01	5.8
5 mm	90	8	8	85	8	7	81	1.00	5.7
6 mm	90	8	8	83	8	9	85	0.98	5.7
8 mm	89	8	8	81	7	12	83	0.95	5.6
10 mm	88	8	8	78	1	15	82	0.94	5.6
12 mm	88	8	8	76	7	17	80	0.92	5.5
15 mm	87	8	8	73	7	20	78	0.90	5.4



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	Transmittance	Reflectance external	Reflectance internal	Direct transmittance	Reflectance	Absorptance	Total transmission		Argon (90%)
Pilkington Optifloat™ Green									
4 mm	80	7	7	56	6	38	65	0.75	5.8
5 mm	78	7	7	51	6	43	61	0.70	5.7
6 mm	75	7	7	46	6	48	58	0.67	5.7
8 mm	71	7	7	40	5	55	53	0.61	5.6
10 mm	67	6	6	35	5	60	49	0.56	5.6
Pilkington Optifloat™ Grey									
3 mm	65	6	6	64	6	29	71	0.82	5.8
4 mm	57	6	6	57	6	37	66	0.76	5.8
5 mm	50	6	6	51	6	44	61	0.70	5.7
6 mm	44	5	5	45	5	50	57	0.66	5.7
8 mm	35	5	5	36	5	59	50	0.57	5.6
10 mm	27	5	5	28	5	67	44	0.51	5.6
Pilkington Optifloat™ Bronze									
3 mm	68	7	7	65	6	28	72	0.83	5.8
4 mm	61	6	6	59	6	35	67	0.77	5.8
5 mm	55	6	6	53	6	41	63	0.72	5.7
6 mm	50	5	5	47	5	47	58	0.67	5.7
8 mm	40	5	5	38	5	57	52	0.60	5.6
10 mm	33	5	5	31	5	65	46	0.53	5.6



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

Pilkington **Optifloat™**

A range of clear float glass manufactured using the standard float glass process.

Benefits Summary

- Ideal for letting in light and keeping bad weather out.
- Practical, stylish alternative to traditional solid materials.
- Economical and easy to maintain.

Pilkington **Optifloat™** Tint

A range of low to medium performance, body-tinted glass manufactured using the standard float glass process. Solar control and colour densities vary with thickness. Available in Bronze, Green and Grey.

Benefits Summary

- Range of solar control performance options.
- Range of colours.
- Low reflection.
- Can be toughened or laminated.
- Can be used in both single glazing and insulating glass units.

Handling and Storage information

Glass should be stored in dry conditions and out of direct sunlight, stacked upright in properly designed racks and fully supported in a manner which prevents the glass from sagging. In no circumstances should glass products ever be stored in the horizontal position. It should be stood on edge on strips of wood, felt or other relatively soft material. Special care should be taken to protect the glass, especially the edges, from impact damage (knocks, abrasions and excessive local pressure). Upon receipt and before glazing, each glass should be checked for damage. Damaged glass should not be glazed. Water must not be allowed to reach the edges of stacked glass as it can be drawn between the plates by capillary action and cause damage. The glass must be protected from site contamination such as welding, cementitious plaster products or adhesives. When glass is stored or transported there should always be some kind of protector between glass surfaces to prevent transit damage. This should be appropriate to the product and sizes considered. It may be for example, paper, rubber pads (buddies) or Lucite. When moving glass and glass products around a site or factory, whether on pallets, stillages or in cases etc, whether by fork life crane or other mechanical means, always bear in mind that glass remains fragile and will be broken by rough handling. Particular care should be taken to ensure that the glass is properly fastened and secured to prevent it falling and to avoid any damage. Glass should always be handled by staff who have been properly trained in approved practice, considering good health and safety procedures.

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 and "Optifloat" 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 CE marking label for each product, including declared values, can be found at www.pilkington.com/CE



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