



PILKINGTON

Chemische und physikalische Eigenschaften von OPTIFLOAT aus Weiherhammer

Typische Zusammensetzung:

in Gew.-%:	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	RO(CaO+MgO)	R ₂ O(Na ₂ O+K ₂ O)
	72-73 %	0,5-0,7 %	0,085-0,105 %	12,9-13,1 %	13,5 -13,8%

Pilkington Optifloat™

Technical Information Datasheet



	Light		Solar Energy				Shading Coefficient			U value
	Transmittance	Reflectance	Direct Transmittance	Reflectance	Absorptance	Total Transmittance	Short Wavelength	Long Wavelength	Total	(W/m²K)

Pilkington Optifloat™ Clear



2mm	0.90	0.08	0.86	0.08	0.06	0.88	0.99	0.02	1.01	5.9
3mm	0.90	0.08	0.84	0.08	0.08	0.87	0.97	0.03	1.00	5.8
4mm	0.89	0.08	0.83	0.07	0.10	0.85	0.95	0.03	0.98	5.8
5mm	0.89	0.08	0.81	0.07	0.12	0.84	0.93	0.04	0.97	5.8
6mm	0.88	0.08	0.79	0.07	0.14	0.82	0.91	0.03	0.94	5.7
8mm	0.88	0.08	0.76	0.07	0.17	0.80	0.87	0.05	0.92	5.7
10mm	0.87	0.08	0.72	0.07	0.21	0.78	0.83	0.06	0.89	5.6
12mm	0.85	0.08	0.68	0.07	0.25	0.75	0.78	0.08	0.86	5.5
15mm	0.84	0.08	0.66	0.06	0.28	0.73	0.76	0.08	0.84	5.5
19mm	0.82	0.08	0.60	0.06	0.34	0.68	0.69	0.09	0.78	5.3

Body-tinted Pilkington Optifloat™ glass range for Solar Control

Pilkington Optifloat™ Green



4mm	0.80	0.07	0.56	0.06	0.38	0.66	0.64	0.12	0.76	5.8
5mm	0.78	0.07	0.51	0.06	0.43	0.62	0.59	0.12	0.71	5.8
6mm	0.75	0.07	0.46	0.06	0.48	0.59	0.52	0.16	0.68	5.7
8mm	0.71	0.07	0.40	0.05	0.55	0.54	0.46	0.16	0.62	5.7
10mm	0.67	0.07	0.35	0.05	0.60	0.51	0.40	0.19	0.59	5.6

Pilkington Optifloat™ Bronze



3mm	0.68	0.07	0.66	0.06	0.28	0.73	0.75	0.09	0.84	5.8
4mm	0.61	0.06	0.59	0.06	0.35	0.68	0.68	0.10	0.78	5.8
5mm	0.55	0.06	0.53	0.06	0.41	0.64	0.61	0.12	0.73	5.8
6mm	0.50	0.06	0.47	0.06	0.47	0.60	0.54	0.15	0.69	5.7
8mm	0.40	0.05	0.38	0.05	0.57	0.53	0.44	0.17	0.61	5.7
10mm	0.33	0.05	0.31	0.05	0.64	0.47	0.36	0.18	0.54	5.6

Pilkington Optifloat™ Grey



3mm	0.65	0.06	0.65	0.06	0.29	0.72	0.75	0.08	0.83	5.8
4mm	0.57	0.06	0.57	0.06	0.37	0.67	0.66	0.11	0.77	5.8
5mm	0.50	0.06	0.51	0.05	0.44	0.62	0.59	0.12	0.71	5.8
6mm	0.44	0.05	0.45	0.05	0.50	0.58	0.52	0.15	0.67	5.7
8mm	0.35	0.05	0.36	0.05	0.59	0.51	0.41	0.18	0.59	5.7
10mm	0.27	0.05	0.28	0.05	0.67	0.46	0.32	0.21	0.53	5.6

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

Pilkington **Optifloat™**

A range of low to medium performance 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

Handling and Storage information

Glass should be stored in dry conditions and out of direct sunlight, stacked upright 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

Pilkington **Optifloat™ Tinted**

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, Grey and Green.

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

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, taking into account good health and safety procedures.

The technical information contained in this data sheet is in accordance with the relevant harmonised European Standard(s) for the product(s). For further information on European Standards and CE Marking kindly visit <http://www.gcpvp.org/marketing.html>



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