

## Pilkington **Planar™** Structural Glazing System Pilkington **Eclipse Advantage™**



### Benefits:

- Combines high light transmission, a range of light reflection, good solar control and low-emissivity properties in a single product.
- Can be toughened, laminated and glazed in the same way as float glass.
- Energy efficient combining low-emissivity with solar control for energy cost reductions compared to ordinary glasses.

### Product Data:

**Substrates:** Pilkington **Optifloat™** Clear or body tint<sup>1</sup>

**Thickness:** 6 mm<sup>1</sup>

**Availability:** To order – lead time on request

**Products:** Single Glazed Laminates<sup>2</sup>  
Double Glazed Units  
Double Glazed Laminates  
Triple Glazed Units

**Frit on Coated**

**Surface:** Yes

**Application:** Surface #2 or #3<sup>5</sup>

Surface #4 for Single Glazed Laminates<sup>2</sup>

**Size Limitation:** IGU: 4800 x 2400 mm<sup>1</sup>

IGU Lam & SG Lam: 4500 x 2000 mm

**Mean Roller**

**Wave Depth<sup>3</sup>:** 0.05 mm

**Maximum**

**Edge Dip:** 0.25 mm

**Maximum Bow:** 0.1%<sup>4</sup>

### Performance Figures:

Intrafix Pilkington **Planar™** units

Pilkington Toughened and Heat Soaked Glass Outer Pane 6 mm	16 mm Cavity	Pilkington Toughened and Heat Soaked Glass Inner Pane 10 mm	LT	LR	TSHT	SC	U Value
Pilkington <b>Eclipse Advantage™</b> Clear	Air	Pilkington <b>Optifloat™</b> Clear	0.59	0.29	0.54	0.62	1.8
Pilkington <b>Eclipse Advantage™</b> Artic Blue	Air	Pilkington <b>Optifloat™</b> Clear	0.35	0.14	0.28	0.32	1.8
Pilkington <b>Eclipse Advantage™</b> Blue-Green	Air	Pilkington <b>Optifloat™</b> Clear	0.50	0.21	0.37	0.43	1.8
Pilkington <b>Eclipse Advantage™</b> Bronze	Air	Pilkington <b>Optifloat™</b> Clear	0.33	0.12	0.35	0.40	1.8
Pilkington <b>Eclipse Advantage™</b> EverGreen	Air	Pilkington <b>Optifloat™</b> Clear	0.42	0.17	0.28	0.32	1.8
Pilkington <b>Eclipse Advantage™</b> Grey	Air	Pilkington <b>Optifloat™</b> Clear	0.29	0.11	0.34	0.39	1.8

Pilkington **Planar™** units

Pilkington Toughened and Heat Soaked Glass Outer Pane 10 mm	16 mm Cavity	Pilkington Toughened and Heat Soaked Glass Inner Pane 6 mm	LT	LR	TSHT	SC	U Value
Pilkington <b>Optifloat™</b> Clear	Air	Pilkington <b>Eclipse Advantage™</b> Clear	0.59	0.30	0.55	0.63	1.8
Pilkington <b>Optifloat™</b> Clear	Air	Pilkington <b>Eclipse Advantage™</b> Artic Blue	0.35	0.29	0.50	0.57	1.8
Pilkington <b>Optifloat™</b> Clear	Air	Pilkington <b>Eclipse Advantage™</b> Blue-Green	0.50	0.28	0.52	0.60	1.8
Pilkington <b>Optifloat™</b> Clear	Air	Pilkington <b>Eclipse Advantage™</b> Bronze	0.33	0.28	0.51	0.59	1.8
Pilkington <b>Optifloat™</b> Clear	Air	Pilkington <b>Eclipse Advantage™</b> EverGreen	0.42	0.29	0.50	0.57	1.8
Pilkington <b>Optifloat™</b> Clear	Air	Pilkington <b>Eclipse Advantage™</b> Grey	0.29	0.28	0.51	0.59	1.8

Pilkington **Planar™** laminates

Pilkington Toughened and Heat Soaked Glass Outer Pane 10 mm	1.52 Interlayer	Pilkington Toughened and Heat Soaked Glass Inner Pane 6 mm <sup>2</sup>	LT	LR	TSHT	SC	U Value
Pilkington <b>Optifloat™</b> Clear	PVB or SGP	Pilkington <b>Eclipse Advantage™</b> Clear	0.62	0.23	0.51	0.59	3.7
Pilkington <b>Optifloat™</b> Clear	PVB or SGP	Pilkington <b>Eclipse Advantage™</b> Artic Blue	0.37	0.11	0.32	0.37	3.7
Pilkington <b>Optifloat™</b> Clear	PVB or SGP	Pilkington <b>Eclipse Advantage™</b> Blue-Green	0.52	0.17	0.39	0.45	3.7
Pilkington <b>Optifloat™</b> Clear	PVB or SGP	Pilkington <b>Eclipse Advantage™</b> Bronze	0.34	0.10	0.36	0.41	3.7
Pilkington <b>Optifloat™</b> Clear	PVB or SGP	Pilkington <b>Eclipse Advantage™</b> EverGreen	0.44	0.14	0.32	0.37	3.7
Pilkington <b>Optifloat™</b> Clear	PVB or SGP	Pilkington <b>Eclipse Advantage™</b> Grey	0.30	0.09	0.35	0.40	3.7

Technical data has been calculated according to BS EN 410 and BS EN 673.

## Notes:

- Alternate substrates, sizes and combinations possible, please contact Pilkington Architectural for details.
- When used on a single glazed laminate, the coating will be on surface #4. Having the coated surface against the laminate (i.e. surface #3) will result in the low-emissivity effect and resulting U value improvement being lost. The coated surface, because of its fine texture, requires more effort to clean than non-coated glasses. It is also easier to make a mark on the coating than on non-coated glass because of the increased surface roughness. Please see ATS-143 for complete cleaning details.
- Roller wave is usually parallel to the short side and should be glazed horizontally where possible.
- Refer to particular product specification for maximum bow tolerance on combined glass e.g. laminates etc.
- Pilkington **Eclipse Advantage™** performs best on surface #2 however it can only be used on surface #2 with Intrafix Pilkington **Planar™** units. For traditional Pilkington **Planar™** units, Pilkington **Eclipse Advantage™** must be used on surface #3.

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, code 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.



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