

SOLAR CONTROL WINDOW FILM

Bronze Solar Control Film Range

TRADE ORDERING

Bronze 20 and 35 are available in 76cm and 152cm widths; Bronze 50 is available in 152cm. Order by the metre or as a 30m full roll. A 3m minimum applies to per-metre orders.



A copper-toned solar-control film range designed to reduce solar heat gain and glare while adding warmth and character to the external appearance of glazing. Choose the grade that provides the required balance of daylight, privacy and heat control.

BRONZE 20**20% VLT**

79% solar-glare reduction

BRONZE 35**35% VLT**

63% solar-glare reduction

BRONZE 50**50% VLT**

50% solar-glare reduction

APPLICATION**Internal****CONSTRUCTION****PET film****COLOUR****Copper****WARRANTY****10 years**

TECHNICAL COMPARISON

Performance data

Data calculated from film applied to clear 3mm glass. The secondary rejection figure refers to the source

Performance property	Bronze 20	Bronze 35	Bronze 50
Ultraviolet transmission	1%	1%	1%
Visible light transmission	20%	35%	50%
External visible light reflection	36%	26%	17%
Internal visible light reflection	36%	26%	17%
Total solar energy rejected	77%	65%	55%
Total solar energy rejected* (4-16-4)	72%	60%	50%
Solar energy reflection	45%	39%	22%
Solar energy absorption	42%	36%	43%
Solar energy transmission	13%	25%	35%
Reduction in solar glare	79%	63%	50%
g-value	0.22	0.34	0.46
u-value	5.10	5.23	5.39
Shading coefficient	0.2	0.39	0.5

Product construction and supply

Product property	Bronze 20	Bronze 35	Bronze 50
Installation type	Internal	Internal	Internal
Source roll length	30.5m	30.5m	30.5m
Composition	PET	PET	PET
Thickness	60 micron	60 micron	60 micron
Colour	Copper	Copper	Copper

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GLAZING COMPATIBILITY

Installation guidance

Use this matrix as a guide and complete a thermal-check analysis where required before installation.

Glazing type	Bronze 20	Bronze 35	Bronze 50
Clear single pane	YES	YES	YES
Tinted single pane	CAUTION	CAUTION	CAUTION
Reflective tinted single pane	YES	YES	YES
Clear double pane	CAUTION	YES	YES
Tinted double pane	NO	CAUTION	CAUTION
Reflective tinted double pane	YES	YES	YES
Gas-filled double pane - Low E	NO	CAUTION	CAUTION
Laminated ext. clear double pane	CAUTION	CAUTION	CAUTION
Laminated int. clear double pane	NO	CAUTION	CAUTION

Construction

1. Hard scratch-resistant surface layer.
2. High optical quality polyester with solar-control metal particle coating.
3. Bonding adhesive.
4. Optical polyester layer.
5. Pressure-sensitive adhesive, bonding fully after installation.
6. Disposable protective release liner.

Maintenance

Use a mild soapy-water solution and a soft, non-abrasive cloth or squeegee. Do not clean newly installed film for at least one month.

For specialist glazing, larger panes or uncertain specifications, contact Window Films Direct before installation.