

NEUTRAL SOLAR WINDOW FILM

Neutral Steel Solar Film Range

TRADE ORDERING

Available in 76cm and 152cm widths, by the metre or as a 30m full roll. A 3m minimum applies to per-metre orders.



A neutral grey solar-control film range that reduces heat and glare without creating a highly reflective mirror finish. Three visible-light transmission levels allow installers to balance solar performance with a restrained, professional appearance.

STEEL 20**30% VLT**

65% solar-glare reduction

STEEL 35**43% VLT**

51% solar-glare reduction

STEEL 50**49% VLT**

46% solar-glare reduction

APPLICATION**Internal****CONSTRUCTION****PET film****COLOUR****Neutral****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	Steel 20	Steel 35	Steel 50
Ultraviolet transmission	1%	1%	1%
Visible light transmission	30%	43%	49%
External visible light reflection	25%	17%	14%
Internal visible light reflection	20%	14%	12%
Total solar energy rejected	61%	50%	42%
Total solar energy rejected* (4-16-4)	58%	48%	40%
Solar energy reflection	23%	16%	13%
Solar energy absorption	51%	46%	43%
Solar energy transmission	26%	38%	44%
Reduction in solar glare	65%	51%	46%
g-value	0.39	0.50	0.59
u-value	5.65	5.65	5.70
Shading coefficient	0.4	0.5	0.6

Product construction and supply

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

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

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.