

SPECTRALLY SELECTIVE SOLAR CONTROL FILM

Platinum Solar Control Film Range

TRADE ORDERING

Available by the metre or as a 30m full roll. A minimum order of 3m applies when buying by the metre. Platinum 47IR and 68IR Plus are supplied in 152cm width; Platinum 70IR is available in 76cm and 152cm widths.



A high-performance internal solar-control range designed to balance daylight, heat rejection and glare reduction. The three grades give trade installers a choice of visible-light transmission, infrared performance and exterior appearance for residential, commercial and contract glazing projects.

PLATINUM 47IR**47% VLT**

66% total solar energy rejected
Approx. 80% infrared rejection

PLATINUM 68IR PLUS**68% VLT**

59% total solar energy rejected
Approx. 95% infrared rejection

PLATINUM 70IR**70% VLT**

49% total solar energy rejected
Approx. 70% infrared rejection

ORDER**Metre or full roll****MINIMUM****3m by metre****APPLICATION****Internal****WARRANTY****10 years**

**TECHNICAL COMPARISON**

Performance data

Data is calculated from film applied to clear glass, 3mm thick. The secondary total-solar-rejection figure is identified on the source sheets for double glazing 4-16-4.

Performance property	Platinum 47IR	Platinum 68IR Plus	Platinum 70IR
Ultraviolet transmission	1%	1%	1%
Visible light transmission	47%	68%	70%
External visible light reflection	29%	18%	7%
Internal visible light reflection	28%	15%	7%
Total solar energy rejected	66%	59%	49%
Total solar energy rejected* (4-16-4)	63%	55%	45%
Solar energy reflection	47%	27%	27%
Solar energy absorption	25%	36%	26%
Solar energy transmission	28%	37%	47%
Reduction in solar glare	52%	29%	30%
g-value	0.36	0.41	0.49
u-value	4.9	4.9	4.9
Rejected infrared (760-2500nm)	Approx. 80%	Approx. 95%	Approx. 70%
Shading coefficient	0.4	0.4	0.5

Product construction and trade supply

Product property	Platinum 47IR	Platinum 68IR Plus	Platinum 70IR
Installation type	Internal	Internal	Internal
Technical roll length	30.5m	30.5m	30.5m
Trade roll option	30m full roll	30m full roll	30m full roll
Trade widths	152cm	152cm	76cm / 152cm
Film composition	PET	PET	PET
Thickness	55 micron	55 micron	55 micron
Colour from outside	Champagne	Light champagne	Neutral

Ordering: products are sold by the metre with a 3m minimum, or as 30m full rolls. Choose the required width and quantity before ordering.

GLAZING COMPATIBILITY

Installation guidance

Compatibility varies by grade. Use the matrix as a trade guide and obtain a thermal-check analysis where required for the glazing area and specification.

YES
CAUTION

Glazing type	Platinum 47IR	Platinum 68IR Plus	Platinum 70IR
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	YES	CAUTION	YES
Reflective tinted double pane	YES	YES	YES
Gas-filled double pane - Low E	YES	CAUTION	CAUTION
Laminated ext. clear double pane	YES	CAUTION	YES
Laminated int. clear double pane	CAUTION	CAUTION	CAUTION

PLATINUM 47IR

Stronger heat and glare control with a champagne exterior appearance. A useful choice where solar performance is the priority.

PLATINUM 68IR PLUS

High infrared rejection with strong daylight transmission. Designed to balance transparency and solar-control performance.

PLATINUM 70IR

A light neutral finish for bright interiors where minimal visual change and clear heat control are important.

Construction

1. Hard scratch-resistant surface layer.
2. High optical-quality polyester with IR metal-particle deposit.
3. Bonding and pressure-sensitive adhesive layers.
4. Protective release liner removed during installation.

Care and compliance

Maintenance: clean with a mild soapy-water solution and a soft non-abrasive cloth. Do not clean for at least one month after installation.

Certification: M1 fire-resistance rating; REACH and RoHS compliant. Storage guidance: -5C to +40C, up to 3 years.

For larger glazed areas, unusual glass types or uncertain specifications, contact Window Films Direct for definitive advice or a formal thermal-check analysis.