

TECHNICAL DATA SHEET

SPECTRALLY SELECTIVE SERIES

SSF 70 EXTERIOR

Spectrally selective films with maximum heat rejection at high clarity

The Spectrally Selective Series selectively blocks infrared and UV radiation while transmitting most visible light. The result: excellent heat protection with clear, colour-neutral optics and no darkening.

PRODUCT FEATURES

Spectral selectivity

Virtually no darkening

For view-critical windows

Maximum heat rejection at high clarity

99 % UV blocking

FILM CONSTRUCTION

Layer	Thickness (μ)
Scratch-resistant coating	6
Polyester base	76
Solar absorber layer	8
Adhesive (PSA)	20
Release liner	50

Nominal film thickness (without release liner): approx. 76 μm (± 10 %)

OPTICAL AND ENERGY PERFORMANCE

Typical values, applied to 3 mm clear glass (interior side).

Property	Symbol	Unit	Typical Value
Visible Light Transmittance	VLT	%	70
Visible Light Reflectance (exterior)	VLR-E	%	11
Visible Light Reflectance (interior)	VLR-I	%	11
Total Solar Transmittance	T	%	42
Total Solar Reflectance	R	%	22
Total Solar Absorptance	A	%	36
Ultraviolet Rejected (300–380 nm)	UVR	%	99
Total Solar Energy Rejected	TSER	%	48
Shading Coefficient	SC	—	0.60
Solar Heat Gain Coefficient	SHGC	—	0.52
Glare Reduction	GR	%	23
Emissivity	E	—	0.89
Winter Median U-Value	U	—	1.02

INSTALLATION	Installation by authorised professional installers only. The recommended surface and ambient temperature for installation is between 15 °C and 30 °C. The application area must be dust-free, well ventilated and free from direct sunlight. Full curing takes 30 to 60 days.
STORAGE	Store rolls upright in the original packaging. Recommended storage temperature 18 °C to 26 °C, relative humidity 50 % to 60 %. Shelf life 12 months from date of manufacture.

NOTES

All values shown are typical measured values and are intended for reference only. The user must verify the suitability of the product for the intended application prior to installation. Global Hi-Tech Films assumes no liability for improper installation or unsuitable substrates.