

Solar Control & Energy Savings

Spectra Select 60

VS 60 SR CDF

Performance Data



Technical data according To EN 410 and EN 673*	4 mm single	4/16/4 mm double
Solar Energy Transmission, τ_e	38%	34%
Solar Energy Reflection, ρ_e	26%	27%
Solar Energy Absorbtion, α_e	36%	39%
Visible Light Transmission, τ_v	66%	60%
Visible Light Reflection (External), ρ_{ve}	9%	16%
Visible Light Reflection (Internal), ρ_{vi}	10%	13%
Ultraviolet Transmission, τ_{uv}	<1%	
Ultraviolet Rejection	>99 %	
g value	0.46	0.54
Shading Coefficient	0.53	0.62
Total Solar Energy Rejected	54%	46%
Glare Reduction	27%	
U value, single glazing (W/m².K)	5.06	
U value, double glazing, Air filled (W/m².K)		2.54
Emissivity, ϵ_n	0.6	
Colour Rendering Index, R_a	96	95
Film Colour / Appearance	Light Blue-Green	
Installation position	Internal	
Warranty**: 10 Years		

Installation Notes: Edge sealing required if installation is within 10 km of lake, sea, ocean, etc. X-100 must not be used to install this film. Use Film On for installation.

Please check the complete Film to Glass Thermal Stress Compatibility Guidelines before film installation; Contact Eastman Performance Films for full details.

*The properties reported for LLumar architectural window films were calculated using EN410 methodology for film applied to single pane (4mm clear glass) and dual pane glazing (4mm clear glass panes, 16mm air space). Reported values were calculated from representative product samples. Actual performance may vary based on a number of factors, including glass properties, and standard manufacturing variances. Solar spectrum used: UV 300-380nm, Visible Light 380-780nm, IR 780-2500nm.

**Warranty validity: UK only

Datasheet created on 25/10/17. For a more recent version please contact your LLumar representative.

© 2017 Eastman Chemical Company. LLumar® and the LLumar® logo are trademarks of Eastman Chemical Company or one of its wholly owned subsidiaries. The ® used herein denotes registered trademark status in the US; marks referenced herein may also be registered internationally. Visual renderings are for illustrative purposes only; actual appearance may vary. All rights reserved. No liability is accepted for errors. Although the information and recommendations set forth herein (hereafter "Information") are presented in good faith and believed to be correct as of the date hereof, neither Eastman Chemical Company nor any of its subsidiaries or affiliates (collectively, "Eastman") makes any representations or warranties as to the completeness or accuracy thereof and assumes no obligation to update any of the Information. Information is supplied upon the condition that the persons receiving same will make their own determinations as to its suitability for their purposes prior to use. In no event will Eastman be held responsible for damages or liability of any nature whatsoever, including without limitation, for direct, indirect or consequential loss, business interruption, loss of profits, production, goodwill or contracts, or anticipated savings, resulting from the use of or reliance upon the Information or the product to which the Information refers. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which information refers.

Solar Control & Energy Savings

Spectra Select 60

VS 60 SR CDF

Features And Benefits



- Spectrally selective technology allowing good visible light transmission with high solar energy rejection
- Used where a combination of extremely low visible reflectance, high light transmission, and substantial reduction in solar infrared transmission are needed
- Recommended for shop front windows, museums and historic buildings and other applications where high visible light transmission is desired.
- Rejects up to 54% of solar energy, helping reduce heat build-up, and energy costs, increasing occupant comfort.
- Optically-clear with advanced infrared rejecting technology
- Durable scratch-resistant coating for easy cleaning
- Shields >99% of UV radiation, helping to reduce fading of valuables, fabrics and furnishings
- Interior installation



Datasheet created on 25/10/17. For a more recent version please contact your LLumar representative.