

VS601

Ultra Cool Series

Product Introduction



High Performance “Thermosetting” Interlayer
for Architectural and Design Lamination

VISTASAFE VS601 “Ultra Cool” EVA Interlayer is a premium interlayer for laminated glass structures. **VS601** has high adhesive strength to glass, which allows for long-term durability through year-long weathering impacts. **VS601** has high clarity, high light transmission and good impact resistance properties. **VS601** also **blocks UV and infrared radiation**, providing an excellent choice for Energy-Efficient, Temperature -Controlled Buildings.

UV & IR Block

High Impact Resistance

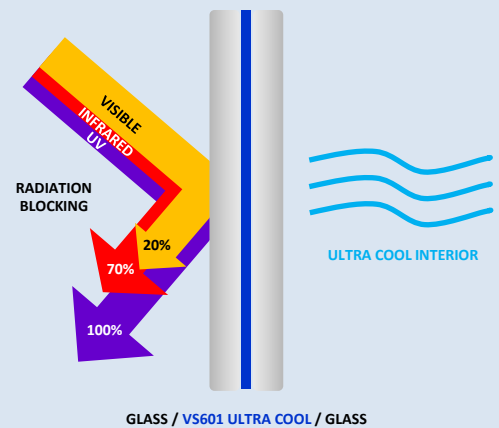
Low Haze

Durable & Long Lasting

Solar Properties

Solar Properties		Unit	1 layer	2 layers
Visible	Transmittance	%	82.4	76.4
	Reflectance	%	8.3	7.6
Solar	Transmittance	%	57.9	44.9
	Reflectance	%	6.9	6.2
	Absorptance	%	35.2	48.9
UV	UV transmittance	%	0.1	0.0
Thermal	Emissivity	-	0.82	0.83
	Shading coefficient (SC)	-	0.79	0.69
	SHGC	-	0.69	0.60
	Light to solar gain (LSG)	-	1.19	1.27
	U-Value	W/m ² -K	5.16	5.18

Energy Efficient Glazing



* Test method: NFRC 100, ISO 9050, Window.

UV-VIS-NIR Spectrophotometer, Manufacturer: Shimadzu, Model: SolidSpec-3700, Serial No. A11085500424CZ.

Emissometer, Manufacturer: Device&Services, Model: AEI, Serial No. 2482.

** All given values of VS601 are for laminated material with 3+3 mm low iron glass at >90% Gel content.

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Specifications

	Properties	Test method	Unit	Value *
Optical	Color	-	-	Pale blue
	L*, a*, b*	-	-	79.5, -5.15, 5.75
	Visible light transmittance at 380-760 nm	TPIAS method	%	≥ 80
	Visible light reflectance	TPIAS method	%	≥ 7.5
	Transmittance at 940 nm	TPIAS method	%	40
	UV cut off	TPIAS method	nm	380
	Haze	TPIAS method	%	≤ 0.8
Mechanical	Refractive index	ISO 489	-	1.481
	Adhesion to glass	ASTM D903	N/cm	≥ 70
	Young’s modulus	ASTM D412	MPa	9
	Elongation at break	ASTM D412	%	> 500
Others	Tensile strength at break	ASTM D412	MPa	≥ 18
	Water absorption	ASTM D570	%	< 0.1
	WVTR	ASTM F1249	g/m ² 24h	≤ 30
	%Cross-linking	TPIAS method	%	≥ 90



* All data are initial QC values, cured at 135°C for 40 minutes.

** Transmittance and haze are measured from a 3+3 mm Low-Iron glass with 1 layer of VS601 sample.

Product Dimension

Width (mm)	Weight (g/sqm)	Thickness (mm)	Length (m/roll)	Core Diameter (inch.)
up to 2440	720	870	40	3