



EcoSheer 6750

MECHO SUSTAINABLE SOLAR FABRIC (3 %)

AVAILABLE COLOURS

6751 Porcelain	
6752 Quartz	
6753 Glass	
6754 Stone	
6755 Clay	
6756 Adobe	
6757 Timber	
6758 Titanium	
6759 Slate	
6760 Steel	
6761 Metal	
6762 Graphite	

FABRIC SPECIFICATIONS

Stock Widths:	118"
Openness:	3 %
Composition:	100% Polyester
Thickness:	.020"
Weight:	7.82 oz/yd²
Fire Rating:	NFPA 701 CAN/ULC-S109
Cleaning Info:	Contact Manufacturer
Spline:	SnapLoc
Railroading:	No
Bacteria/Fungal Resistance	ASTM G21 / ASTM E2180
Acoustic Performance	0.15 NRC / 0.19 SAA

Formerly EcoVeil Sheer, this reversible solar fabric is woven from pigmented yarns into a broken twill weave pattern.

Made from flame-retardant, recyclable, PVC-free polyester.



If you require fabric samples please go to: www.frasershading.com/contact

Actual fabric colours may vary from pictures | Fabric stock levels may vary

Openness factors are approximate | Mockups are recommended

Specification subject to change without notice | ©Fraser Shading Systems 2025



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Solar Optical Properties

Fabric Code	Colour	Solar Optical Properties			
		T _s	R _s	A _s	T _v
6751	Porcelain	38	55	7	38
6752	Quartz	37	56	7	37
6753	Glass	36	52	12	34
6754	Stone	30	45	25	27
6755	Clay	17	31	52	15
6756	Adobe	16	28	56	13
6757	Timber	7	9	84	6
6758	Titanium	21	38	42	20
6759	Slate	9	10	81	9
6760	Steel	11	16	72	9
6761	Metal	9	15	76	6
6762	Graphite	6	7	88	5

Solar Optical Properties (SOP)

Definitions and Explanations

(T_s) Solar Transmittance

The percentage of ultraviolet, visible and near infrared energy that is transmitted through the glass.

(R_s) Solar Reflectance

The percentage of the amount of solar energy which is reflected or bounces off the shade cloth. Light colors are more reflective with lower heat gain, but with a higher percentage of daylight and solar transmittance. Light colors, however, are brighter when sunlit which causes high surface brightness and may transmit excessive light onto computer screens and work stations.

(A_s) Solar Absorptance

The percentage of the amount of solar energy which is absorbed by the shade cloth. Dark colors absorb light and heat, and are less energy efficient than lighter colors. They transmit less light and have a lower surface brightness which lowers reflectivity and provides glare-free environments.

(T_v) Visible Light Transmittance

That portion of the solar spectrum which is visible to the human eye. Too much visible light transmittance creates brightness and glare problems within the room.

CERTIFICATE OF COMPLIANCE



EcoSheer 6750

MechoShade Sustainable Solar Fabric

- Average Openness: 3%

86704-420

Certificate Number

08 Feb 2017 - 03 Dec 2025

Certificate Period

Certified

Status

UL 2818 - 2022 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Window treatments are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.

GREENGUARD Gold Certification Criteria for Building Products and Interior Finishes

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC (A)	-	0.22	mg/m ³
Formaldehyde	50-00-0	9 (7.3 ppb)	µg/m ³
Total Aldehydes (B)	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m ³
Particle Matter less than 10 µm (C)	-	20	µg/m ³
1-Methyl-2-pyrrolidinone (D)	872-50-4	160	µg/m ³
Individual VOCs (E)	-	1/2 CREL or 1/100th TLV	-

- (A) Defined to be the total response of measured VOCs falling within the C6 – C16 range, with responses calibrated to a toluene surrogate. Maximum allowable predicted TVOC concentrations for GREENGUARD Gold (0.22 mg/m³) fall in the range of 0.5 mg/m³ or less, as specified in CDPH Standard Method v1.2.
- (B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.
- (C) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.
- (D) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 µg/day and an inhalation rate of 20 m³/day
- (E) Allowable levels for chemicals not listed are derived from the lower of 1/2 the California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.2 and BIFMA level credit 7.6.2 and 1/100th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).

