



ThermoVeil 1500

MECHO SOLAR FABRIC (3%)

AVAILABLE COLOURS

White 1501	
Silver Birch 1519	
Eggshell 1516	
Beige 1502	
Grey 1513	
Taupe 1524	
Shadow Grey 1520	
Black/Brown 1504	

FABRIC SPECIFICATIONS

Stock Widths:	126"
Openness:	3 %
Composition:	25% Polyester 75% PVC
Thickness:	.0360"
Weight:	20.00 oz/yd²
Fire Rating:	NFPA 701 CAN/ULC-S109
Cleaning Info:	Contact Manufacturer
Spline:	SnapLoc
Railroading:	Yes
Bacteria/Fungal Resistance	ASTM G21 / ASTM E2180
Acoustic Performance	0.25 NRC / 0.25 SAA

Composed of a technically advanced material woven in a 2 x 2 basket-weave pattern which provides a uniform scrim effect at the window wall with an appropriate density for sun control.



If you require additional fabric samples please E-mail: samples@frasershading.com

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 2024



ThermoVeil® Shade Cloth Properties

3% open 1500 series

#	Name	Fabric Content	Solar Optical Properties				Single Shading Coefficient			Insulating Shading Coefficient		
			Ts	Rs	As	Tv	1/8CL	1/4CL	1/4HA	1/2CL	1CL	1HA
1501	White	75% PVC / 25% Polyester	12	74	14	10	0.26	0.27	0.25	0.25	0.27	0.22
1519	Silver Birch	75% PVC / 25% Polyester	9	58	34	6	0.37	0.37	0.34	0.36	0.35	0.27
1516	Eggshell	75% PVC / 25% Polyester	10	61	29	7	0.35	0.35	0.33	0.34	0.33	0.26
1502	Beige	75% PVC / 25% Polyester	8	53	40	5	0.14	0.4	0.35	0.39	0.38	0.29
1513	Grey	75% PVC / 25% Polyester	6	33	62	4	0.55	0.52	0.42	0.52	0.48	0.34
1524	Taupe	75% PVC / 25% Polyester	4	14	82	4	0.67	0.63	0.48	0.63	0.58	0.40
1520	Shadow Grey	75% PVC / 25% Polyester	4	8	88	4	0.71	0.67	0.49	0.67	0.6	0.41
1504	Black/Brown	75% PVC / 25% Polyester	4	4	92	3	0.74	0.69	0.51	0.69	0.63	0.43

The solar optical properties are used to calculate the shading coefficient.

The shading coefficient represents the percentage of solar heat gain that is transmitted to the interior through the glass and shading system.

Ts = Solar Transmittance
 Rs = Solar Reflectance
 As = Solar Absorptance
 Tv = Visual Transmittance

1/8CL = 1/8" Clear Glass
 1/4CL = 1/4" Clear Glass
 1/4HA = 1/4" Heat Absorbing Glass

1/2CL = 1/2" Insulating Clear Glass
 1CL = 1" Insulating Clear Glass
 1HA = 1" Insulating Heat Absorbing Glass

Acoustic Performance

0.25 NRC, 0.25 SAA

Mesh Weight

20.00 oz/yd²

Fabric Thickness

0.036 in

CERTIFICATE OF COMPLIANCE



Mecho
ThermoVeil
I500 Series
Average Openness: 3%

7367-420
 Certificate Number
03 Jun 2009 - 22 Apr 2024
 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).

