



# ThermoVeil 1000

## MECHO SOLAR FABRIC (2-3%)

### AVAILABLE COLOURS

**White  
1001**

**Porcelain  
1011**

**Beige  
1002**

**Light Grey  
1010**

**Grey  
1003**

**Black/Brown  
1004**

### FABRIC SPECIFICATIONS

<b>Stock Widths:</b>	<b>126"</b>
<b>Openness:</b>	<b>2-3 %</b>
<b>Composition:</b>	<b>25% Polyester 75% PVC</b>
<b>Thickness:</b>	<b>.0370"</b>
<b>Weight:</b>	<b>19.05 oz/yd<sup>2</sup></b>
<b>Fire Rating:</b>	<b>NFPA 701 CAN/ULC-S109</b>
<b>Cleaning Info:</b>	<b>Contact Manufacturer</b>
<b>Spline:</b>	<b>SnapLoc</b>
<b>Railroading:</b>	<b>Yes</b>
<b>Bacteria/Fungal Resistance</b>	<b>ASTM G21 / ASTM E2180</b>
<b>Acoustic Performance</b>	<b>0.25 NRC / 0.28 SAA</b>



**This is a linear-woven shade cloth featuring a dense vertical weave that is flame retardant and fade resistant.**

**If you require additional fabric samples please E-mail: [samples@frasershading.com](mailto: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® 1000 Shade Cloth Properties

## 1000 Series (2–3% open)

#	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
1001	White	75% PVC / 25% Polyester	15	70	15	12	0.30	0.31	0.30	0.29	0.29	0.24
1011	Porcelain	75% PVC / 25% Polyester	16	62	23	12	0.36	0.36	0.33	0.34	0.34	0.27
1002	Beige	75% PVC / 25% Polyester	15	48	38	10	0.46	0.45	0.38	0.43	0.41	0.31
1010	Light Grey	75% PVC / 25% Polyester	7	35	58	3	0.53	0.51	0.41	0.5	0.47	0.34
1003	Grey	75% PVC / 25% Polyester	6	30	64	4	0.57	0.54	0.43	0.54	0.5	0.36
1004	Black/Brown	75% PVC / 25% Polyester	3	4	93	3	0.73	0.69	0.51	0.69	0.62	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      **1/8CL** = 1/8" Clear Glass      **1/2CL** = 1/2" Insulating Clear Glass  
**Rs** = Solar Reflectance      **1/4CL** = 1/4" Clear Glass      **1CL** = 1" Insulating Clear Glass  
**As** = Solar Absorptance      **1/4HA** = 1/4" Heat Absorbing Glass      **1HA** = 1" Insulating Heat Absorbing Glass  
**Tv** = Visual Transmittance

### Acoustic Performance

0.25 NRC, 0.28 SAA

### Mesh Weight

19.05 oz/yd<sup>2</sup>

### Fabric Thickness

0.0370 in

# CERTIFICATE OF COMPLIANCE



**Mecho**  
**ThermoVeil**  
**I000 Series**  
**Average Openness: 2-3%**

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 <sup>3</sup>
Formaldehyde	50-00-0	9 (7.3 ppb)	µg/m <sup>3</sup>
Total Aldehydes (B)	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m <sup>3</sup>
Particle Matter less than 10 µm (C)	-	20	µg/m <sup>3</sup>
1-Methyl-2-pyrrolidinone (D)	872-50-4	160	µg/m <sup>3</sup>
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/m<sup>3</sup>) fall in the range of 0.5 mg/m<sup>3</sup> 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 m<sup>3</sup>/day
- (E) Allowable levels for chemicals not listed are derived from the lower of 1/2 the California Office of Environmental Health Hazard Assessment (OEHA) 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).

