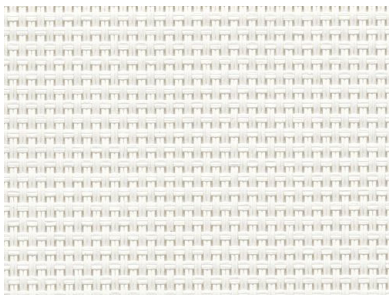
ThermoVeil 2100

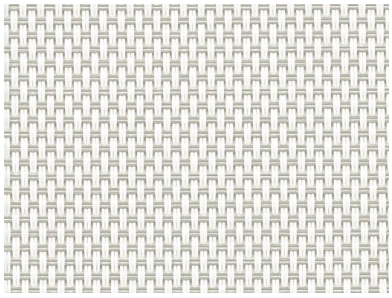
MECHO SOLAR FABRIC (10%)

AVAILABLE COLOURS

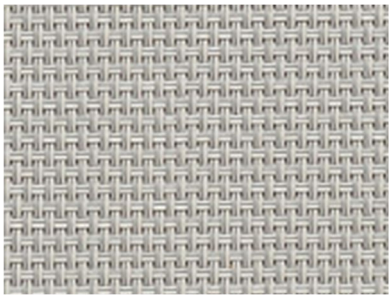
White
2101



Silver Birch
2119



Grey
2113



FABRIC SPECIFICATIONS

Stock Widths:	**126"**
Openness:	**10 %**
Composition:	**25% Polyester 75% PVC**
Thickness:	**.034"**
Weight:	**16.40 oz/yd^2**
Fire Rating:	**NFPA 701 CAN/ULC-S109**
Cleaning Info:	**Contact Manufacturer**
Spline:	**SnapLoc**
Railroading:	**Yes**
Bacteria/Fungal Resistance	**ASTM G21 / ASTM E2180**
Acoustic Performance	**Negligible**

FIRE RATED

GREENGUARD

GREENGUARD GOLD

Advanced 2x2 basket-weave patterned shadecloth. Thin yarn weave gives a uniform scrim with appropriate densities for sun control.

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

FRASER SHADING SYSTEMS | Unit 101 – 5219 192nd Street | Surrey, BC, Canada V3S 4P6
Off: 604-881-4881 | Fax: 604-881-4882 | www.frasershading.com | www.instagram.com/fraser_shading_systems

ThermoVeil 2100 Series

Solar Optical Properties

		Solar Optical Properties			
Fabric Code	Colour	T_S	R_S	A_S	T_V
2101	White	20	68	12	18
2119	Silver Birch	13	31	56	11
2113	Grey	17	54	28	15

Solar Optical Properties (SOP)

Definitions and Explanations

(Ts) Solar Transmittance

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

(Rs) 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.

(As) 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.

(Tv) 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

ThermoVeil 2100

MechoShade

- Average Openness: 10%

101763-420

Certificate Number

03 Jun 2009 - 28 Nov 2026

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/m³
Formaldehyde	50-00-0	9 (7.3 ppb)	µg/m³
Total Aldehydes (B)	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m³
Particle Matter less than 10 µm (C)	-	20	µg/m³
1-Methyl-2-pyrrolidinone (D)	872-50-4	160	µg/m³
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).

FRASER SHADING SYSTEMS | Unit 101 – 5219 192nd Street | Surrey, BC, Canada V3S 4P6
Off: 604-881-4881 | Fax: 604-881-4882 | www.frasershading.com | www.instagram.com/fraser_shading_systems