



# ThermoVeil 1300

## MECHO SOLAR FABRIC (5%)

### AVAILABLE COLOURS

|                              |   |
|------------------------------|---|
| <b>White<br/>1301</b>        |    |
| <b>Silver Birch<br/>1319</b> |    |
| <b>Eggshell<br/>1316</b>     |    |
| <b>Beige<br/>1302</b>        |    |
| <b>Grey<br/>1313</b>         |   |
| <b>Taupe<br/>1324</b>        |  |
| <b>Shadow Grey<br/>1320</b>  |  |
| <b>Black/Brown<br/>1304</b>  |  |

### FABRIC SPECIFICATIONS

|                                   |                                  |
|-----------------------------------|----------------------------------|
| <b>Stock Widths:</b>              | <b>126"</b>                      |
| <b>Openness:</b>                  | <b>5 %</b>                       |
| <b>Composition:</b>               | <b>25% Polyester<br/>75% PVC</b> |
| <b>Thickness:</b>                 | <b>.034"</b>                     |
| <b>Weight:</b>                    | <b>19.17 oz/yd<sup>2</sup></b>   |
| <b>Fire Rating:</b>               | <b>NFPA 701<br/>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>Negligible</b>                |



**Advanced 2x2 basket-weave patterned shade cloth. 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](http://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**



# ThermoVeil 1300 Series

## Solar Optical Properties

| Fabric Code | Colour       | Solar Optical Properties |                |                |                |
|-------------|--------------|--------------------------|----------------|----------------|----------------|
|             |              | T <sub>s</sub>           | R <sub>s</sub> | A <sub>s</sub> | T <sub>v</sub> |
| 1301        | White        | 14                       | 72             | 14             | 12             |
| 1319        | Silver Birch | 11                       | 54             | 36             | 8              |
| 1316        | Eggshell     | 10                       | 61             | 29             | 7              |
| 1302        | Beige        | 10                       | 51             | 40             | 7              |
| 1313        | Grey         | 8                        | 32             | 60             | 6              |
| 1324        | Taupe        | 6                        | 15             | 60             | 6              |
| 1320        | Shadow Grey  | 6                        | 8              | 86             | 6              |
| 1304        | Black/Brown  | 5                        | 4              | 91             | 5              |

### Solar Optical Properties (SOP)

#### Definitions and Explanations

##### (T<sub>s</sub>) Solar Transmittance

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

##### (R<sub>s</sub>) 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<sub>s</sub>) 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<sub>v</sub>) 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 1300

MechoShade

- Average Openness: 5%

101763-420

Certificate Number

03 Jun 2009 - 28 Nov 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 <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 (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).

