



AcoustiVeil 0890

SOLAR FABRIC (0-1%)

AVAILABLE COLOURS



FABRIC SPECIFICATIONS

Stock Widths:	86"
Openness:	0-1 %
Composition:	100% Polyester
Thickness:	.020"
Weight:	5.30 oz / yd²
Fire Rating:	NFPA 701 / CAN/ULC-S109
Cleaning Info:	Contact Manufacturer
Spline:	SnapLoc
Railroading:	Not Recommended
Acoustic Performance:	0.60 NRC / 0.64 SAA

This near blackout fabric is tightly woven and ideal for sound-absorption and light-blocking. It features a woven flame-retardant polyester.



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 2025



Solar Optical Properties

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FABRIC COLOUR	TS	RS	AS	TV	TU
0891 White	31	61	8	31	-
0893 Pearl Grey	21	49	30	13	-
0894 Black	13	28	59	0	-

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



Mecho

AcoustiVeil® 0890

Average Openness: 0-1%

337121-410

Certificate Number

05 Sep 2024 - 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).

