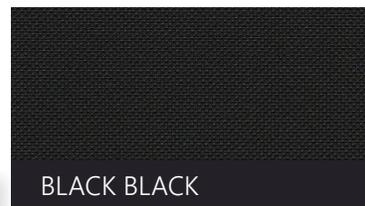


# AMBIENT RENEW

**AMBIENT RENEW** PVC FREE SOLAR SHADE FABRIC 1% - 5% OPENNESS

 **SHADES BY MATISS**



**MASSACHUSETTS  
H4900 COMPLIANT**

Ambient Renew is an alternative to traditional PVC solar screen fabric. It is designed and manufactured using 85% REPREVE® Recycled Polyester to provide an eco-friendly PVC-free fabric solution, minimizing environmental impact while maximizing solar control and durability.

The fabric is free from harmful chemicals making it Living Building Challenge (LBC) Red List Compliant and Oeko-Tex Standard 100 certified. Ambient Renew with REPREVE® is both a healthy and sustainable solution for commercial and residential applications.

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## SPECIFICATIONS

Specification	Ambient Renew 1%	Ambient Renew 5%
Composition	85% REPREVE® Recycled Polyester, 15% Virgin Polyester	85% REPREVE® Recycled Polyester, 15% Virgin Polyester
Openness	1%	5%
Width(s)	118" (3m)	118" (3m)
Length	33 yd/roll (30m)	33 yd/roll (30m)
Weight	11.8 oz/yd <sup>2</sup> (400 g/m <sup>2</sup> )	9.0 oz/yd <sup>2</sup> (305 g/m <sup>2</sup> )
Thickness	0.021 in (0.54mm)	0.019 in (0.48mm)
Fire Classification	NFPA 701, CA Title 19	NFPA 701, CA Title 19
Fungal/Bacterial Resistance	ASTM E2180	ASTM E2180
Acoustical Performance	NRC 0.50   SAA 0.51	
Railroadable	Yes	Yes

### Fabrication Methods

Cutting: Ultrasonic recommended to prevent fraying  
 Welding: Tape recommended. Use reduced heat (~300°F) for 10 seconds. Cool 30 seconds. Test first.

### Care & Cleaning

Remove dust with Vacuum cleaner or compressed air. Do not soak or completely immerse the fabric. Clean by gently wiping with a damp sponge. Do not scrub. Do not use solvents or abrasives. Leave the blind down until completely dry.

### Fire Classifications

NFPA 701, CA Title 19

### Environmental

Low VOC <0.5mg/m<sup>3</sup>: CDPH Standard Method v1.2, Environmental Product Declaration, Health Product Declaration, REACH Compliant, RoHS Compliant, DECLARE. LBC Red List Compliant, OEKO-TEX Standard 100 Certified



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Openness	Color	Ts	Rs	As	Shading Coeff 1/8 CL	Shading Coeff 1/4 CL
1%	R001 White/White	22	69	9	19	2
1%	R002 White/Beige	16	59	25	11	2
1%	R003 White/Smoke	8	40	52	6	2
1%	R004 White/Gray	9	45	45	4	1
1%	R404 Gray/Gray	3	27	70	1	1
1%	R303 Smoke/Smoke	2	17	82	1	1
1%	R503 Black/Smoke	1	9	90	1	1
1%	R504 Black/Gray	1	11	88	1	0
1%	R505 Black/Black	2	4	95	2	2
1%	R506 Black/Coffee	2	11	88	1	1
1%	R507 Black/Blue	1	6	93	1	1
5%	R001 White/White	27	65	9	24	6
5%	R002 White/Beige	22	57	21	17	7
5%	R003 White/Smoke	13	42	46	11	5
5%	R004 White/Gray	15	45	40	12	5
5%	R404 Gray/Gray	7	27	65	6	4
5%	R303 Smoke/Smoke	6	17	77	5	4
5%	R503 Black/Smoke	4	8	88	4	4
5%	R504 Black/Gray	6	15	79	4	4
5%	R505 Black/Black	5	4	92	5	5
5%	R506 Black/Coffee	5	10	85	5	5
5%	R507 Black/Blue	5	5	90	5	5