August 2025

Twitchell Technical Products, LLC

PUREVIEW

EXCELLENT SHADING & A PURE VIEW



TWITCHELL'S PUREVIEW IS A COMPLETELY NEW AND INNOVATIVE SCREENING SOLUTION, OFFERING UNMATCHED OUTWARD VISIBILITY, SUPERIOR CLARITY, AND IMPROVED AIRFLOW. DESIGNED WITH VISUAL COMFORT IN MIND, OUR SOLUTIONS ENHANCE HEAT REFLECTION WHILE EFFECTIVELY MANAGING VISIBLE LIGHT ENTRY. EXPERIENCE THE NEXT LEVEL OF PERFORMANCE WITH PUREVIEW.



Available in 134" wide, 33 lyd rolls.**

Thermal and Optical Factors

Color	Fabric Properties					Fabric & Glass		Recommended Comfort Classification				
	TS	RS	AS	TV	RV	SHGC % Improvement	SHGC	Thermal Control	Daylight Utilization	Glare Control	Night Privacy	Outward Visibility
PureView Interior 3%												
White/White, 3%	7	74	19	7	81	68	0.14	3	1	2	1	2
White/Sand, 3%	7	54	39	7	58	57	0.21	2	1	2	1	2
White/Grey, 3%	6	53	41	6	58	57	0.22	2	1	2	1	2
Black/Pearl, 3%	3	12	85	3	14	28	0.32	1	1	3	1	2
Black/Grey, 3%	3	9	88	3	10	26	0.33	1	1	3	1	2
Black/Black, 3%	3	3	94	3	3	20	0.35	1	1	3	1	2
PureView Interior 5%												
White/White, 5%	8	74	18	8	81	67	0.15	3	1	2	1	3
White/Sand, 5%	8	51	41	8	54	54	0.23	2	1	2	1	3
White/Grey, 5%	6	53	41	8	53	54	0.24	2	1	2	1	3
Black/Pearl, 5%	5	11	84	4	17	26	0.33	1	1	3	1	3
Black/Grey, 5%	5	8	87	4	8	22	0.34	1	1	3	1	3
Black/Black, 5%	4	3	93	3	3	20	0.35	1	1	3	1	3
PureView Exterior 3%												
White/White, 3%	6	75	19	6	86	69	0.13	3	1	2	1	3
White/Sand, 3%	6	55	39	6	60	58	0.20	2	1	2	1	3
White/Grey, 3%	7	50	43	5	61	58	0.21	2	1	2	1	3
Black/Pearl, 3%	3	11	86	3	16	28	0.32	1	1	3	1	3
Black/Grey, 3%	3	9	88	3	10	22	0.34	1	1	3	1	3
Black/Black, 3%	3	3	94	3	3	16	0.36	1	1	3	1	3
PureView Exterior 5%												
White/White, 5%	7	74	19	7	82	68	0.14	3	1	2	1	3
White/Sand, 5%	7	52	41	7	56	56	0.22	2	1	2	1	3
White/Grey, 5%	7	50	43	7	55	55	0.23	2	1	2	1	3
Black/Pearl, 5%	4	10	86	4	17	26	0.33	1	1	3	1	3
Black/Grey, 5%	3	8	89	4	10	20	0.35	1	1	3	1	3
Black/Black, 5%	3	3	94	3	3	16	0.36	1	1	3	1	3

RV = Light Reflectance
SHGC = Total Solar Factor
AS = Solar Absorbed
TS = Solar Transmittance
RS = Solar Reflectance
TV = Visible Transmittance

Comfort Classification According to EN14501:
0. Very little effect 1. Little effect 2. Moderate effect 3. Good effect
4. Very good effect

Solar Fenestration Propoerties Comparison

Color	PureView Fabric Properties					Regular Screen Fabric Properties				
	TS	RS	AS	TV	SHGC	TS	RS	AS	TV	SHGC
PureView Interior 3%										
White/White, 3%	7	74	19	7	0.14	18	70	12	15	0.23
White/Sand, 3%	7	54	39	7	0.21	14	51	35	10	0.26
White/Grey, 3%	6	53	41	6	0.22	9	40	51	7	0.27
Black/Pearl, 3%	3	12	85	3	0.32	4	13	83	3	0.34
Black/Grey, 3%	3	9	88	3	0.33	3	9	88	3	0.35
Black/Black, 3%	3	3	94	3	0.35	3	3	94	3	0.37
PureView Interior 5%										
White/White, 5%	8	74	18	8	0.15	21	67	12	17	0.25
White/Sand, 5%	8	51	41	8	0.23	14	46	40	12	0.28
White/Grey, 5%	6	53	41	8	0.24	12	38	50	9	0.30
Black/Pearl, 5%	5	11	84	4	0.33	8	15	77	8	0.35
Black/Grey, 5%	5	8	87	4	0.34	7	3	90	7	0.38
Black/Black, 5%	4	3	93	3	0.35	6	3	91	3	0.37
PureView Exterior 3%										
White/White, 3%	6	75	19	6	0.13	18	70	12	15	0.23
White/Sand, 3%	6	55	39	6	0.20	14	51	35	10	0.26
White/Grey, 3%	7	50	43	5	0.21	9	40	51	7	0.27
Black/Pearl, 3%	3	11	86	3	0.32	4	13	83	3	0.34
Black/Grey, 3%	3	9	88	3	0.34	3	9	88	3	0.35
Black/Black, 3%	3	3	94	3	0.36	3	3	94	3	0.37
PureView Exterior 5%										
White/White, 5%	7	74	19	7	0.14	23	66	11	20	0.25
White/Sand, 5%	7	52	41	7	0.22	14	49	37	11	0.27
White/Grey, 5%	7	50	43	7	0.23	11	39	50	9	0.28
Black/Pearl, 5%	4	10	86	4	0.33	8	15	77	8	0.35
Black/Grey, 5%	3	8	89	4	0.35	7	3	90	7	0.38
Black/Black, 5%	3	3	94	7	0.36	7	3	90	7	0.38

RV = Light Reflectance
SHGC = Total Solar Factor
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Specifications

Colour Fastness to Light - Passes certification under Grade 8 ISO105 B02:2014 and ranks ≥4.0 on the AATCC TM 16.3-2014; Option 3; Xenon Arc Lamp.

Fire Classification - Passes California U.S. Title 19 (small scale), NFPA701-2015 TM#1 (small scale), B1 (CN) GB17591, BS 5867 2008 Part 2 Type B Performance, and B1 (DE) DIN4102.

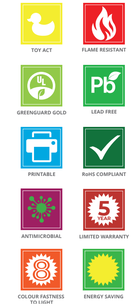
Bacteria and Fungal Resistance - Passes ASTM E 2180, ASTM G21. Includes specially formulated antimicrobial.

RoHS Compliant - Free of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Hex-Cr), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE).

Children's Safety Standard - Passes EN71 regulation related to the chemical properties of fabrics and materials that can be harmful to children.

Environmental Certification - GREENGUARD® Gold certified. Acceptable for use in environments such as schools and healthcare facilities. Complies with requirements of the State of California's Department of Public Health "Standard Method for Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1 (2010)" (also known as California Section 01350). Tested by the American Association of textile Chemists & Colorists (AATCC) Test Method and passes AATC112-2014 to regulate safe formaldehyde release. Passes the GB18586 - 2001, under the Interior Decoration Materials Limit of Harmful Substances in PVC Coil Flooring Standard.

Warranty - Twitchell Technical Products, LLC produces durable, all weather fabrics that are unmatched for quality and durability. PureView brand fabrics are covered by a 5-year limited warranty for fixed & operable vertical shading applications and 3-year limited warranty for all other end uses from the original date of purchase.



Technical Data

Attribute	ISO	Warp		Fill		Typical	
		PureView 3%	PureView 5%	PureView 3%	PureView 5%	PureView 3%	PureView 5%
Composition						22% Polyester 78% PVC	25% Polyester 75% PVC
Weight, oz/yd²	2286-2:2016					13.5	17.6
Weight, g/m²	2286-2:2016					460.0	600.0
Tensile Strength (strip), lbf / daN	13934-1:2013	321.5 / 143.0	593.5 / 264.0	319.2 / 142.0	463.1 / 206.0		
Tear Strength (tongue), lbf / daN	4674-1:2016	17.9 / 8.0	51.7 / 23.0	19.1 / 8.5	47.2 / 21.0		
Flammability Rating		NFPA 701					
Weatherability, greyscale	105 B02:2014	(4) Trace Discoloration					
Mildew Resistance	ASTM G21-13	Pass					
Thickness, inches / mm	2286-3:2016					0.022" / 0.56mm	0.030" / 0.76mm

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Twitchell Technical Products, LLC

PUREVIEW

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Elevate Your Space with Twitchell's PureView Interior and Exterior Shading Solutions

INNOVATIVE SUNSCREEN FABRICS WITH INTEGRATED TRANSPARENCY, THERMAL COMFORT AND GLARE CONTROL

Experience superior light control and energy efficiency with Twitchell's PureView shading systems. Designed with a light-colored fabric, our solutions enhance heat reflection while effectively managing visible light entry. This results in reduced glare, improved transparency, and exceptional visual comfort, all while helping to lower your building's energy consumption.

Key Features & Benefits:

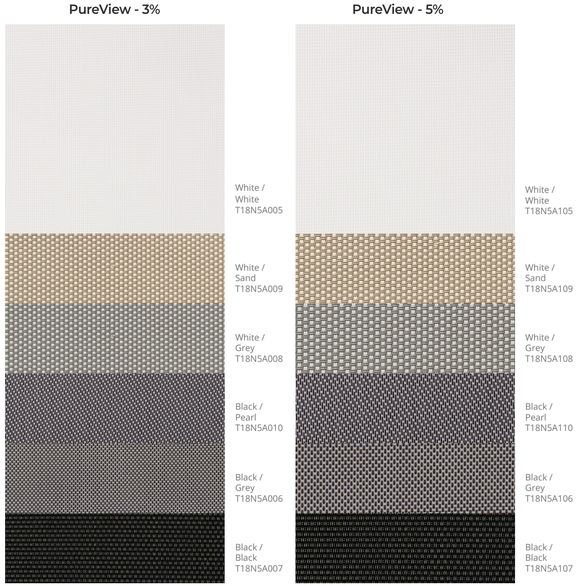
- ◊ Exceptional Glare Control: Blocks up to 98% of visible light (Tv=2%), ensuring a comfortable indoor environment.
- ◊ Outstanding Solar Protection: Reflects up to 78% of solar energy (RS=78%, SHGC=0.10), minimizing heat gain and enhancing energy efficiency.
- ◊ Elegant Basket Weave Design: Classic 2x2 weave pattern that combines style with durability.
- ◊ Versatile Color & Style Options: Available in 6 colors, with 2 styles (Interior and Exterior) and multiple openness factors (3% and 5%) to suit various applications.
- ◊ Flexible Sizing: Offered in maximum customizable width of up to 340cm for large-scale installations.
- ◊ Consistent Aesthetic: Coordinate across a range of openness factors to optimize solar protection without compro-mising design harmony.
- ◊ Robust Exterior Performance: Exceptional mechanical resistance and dimensional stability for large roller blinds, ensuring longevity and reliability.
- ◊ Health & Safety Compliance: Meets all standard requirements for buildings open to the public.
- ◊ Customizable Graphics: Serves as an excellent digital printing medium for personalized designs and branding.

Performance Highlights:

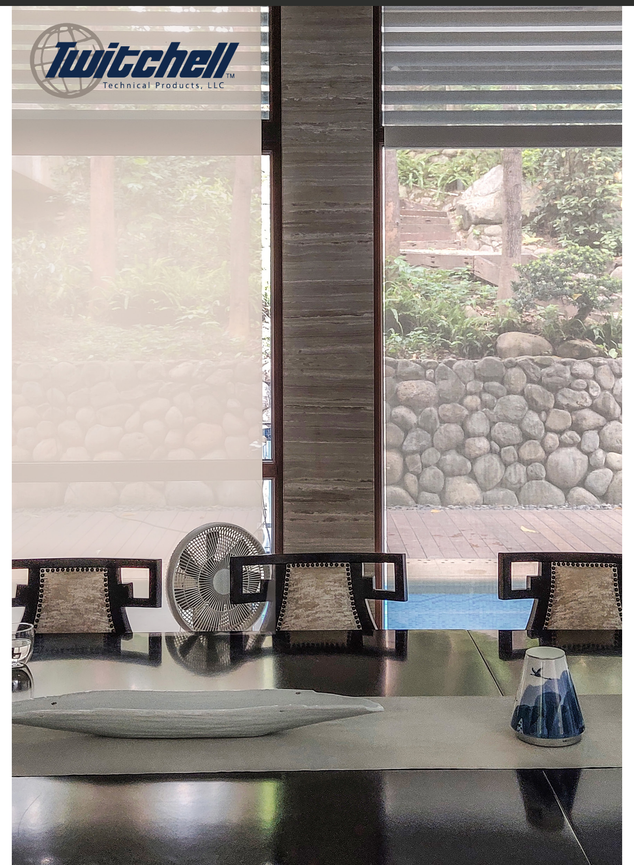
- ◊ Visible light transmittance reduced from 17% (regular screen) to just 8%
- ◊ Solar reflectance up to 78%

PUREVIEW

Colors



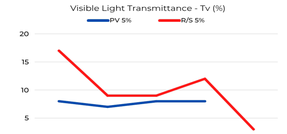
134" = 340 cm



Solar Fenestration Propoerties Comparison

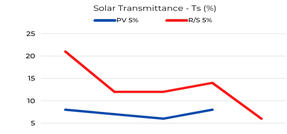
PureView 5% (PV 5%) and Regular Screen 5% (R/S 5%).

Visible Light Transmittance - Tv (%)



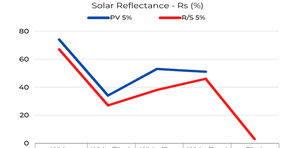
	White	White/Black	White/Grey	White/Sand	Black
PV 5%	8	7	8	8	3
R/S 5%	17	9	9	12	3

Solar Transmittance - Ts (%)



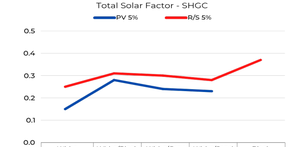
	White	White/Black	White/Grey	White/Sand	Black
PV 5%	8	7	6	8	3
R/S 5%	21	12	12	14	6

Solar Reflectance - Rs (%)



	White	White/Black	White/Grey	White/Sand	Black
PV 5%	74	34	53	51	
R/S 5%	67	27	38	46	3

Total Solar Factor - SHGC



	White	White/Black	White/Grey	White/Sand	Black
PV 5%	0.15	0.28	0.24	0.23	
R/S 5%	0.25	0.31	0.3	0.28	0.37

