







## AN INTRODUCTION

SheerWeave® interior sun control fabrics provide the perfect balance of light, comfort and beauty, making them the ideal window covering solution for residential and commercial spaces alike. A sleek and functional alternative to ordinary window coverings, SheerWeave effortlessly and elegantly manages the sun's harsh heat and blinding glare.

### **MULTI-FUNCTIONAL**

SheerWeave filters and diffuses light while reducing glare and solar heat gain, conserving energy and helping to create a more comfortable environment. SheerWeave also helps reduce the fading of interior furnishings and flooring by protecting these surfaces from the sun's harmful effects. And unlike many window treatments, SheerWeave allows excellent outward visibility – even when shades are lowered – to maintain optimal views.

### **UNMATCHED STYLE**

From modern, neutral hues to subtly-textured, organic weaves in warm earth tones, these fabrics are the perfect complement to any interior design scheme. SheerWeave fabrics are also available in a variety of openness factors ranging from zero to 25 percent and wide widths to cover large window openings. Simple, clean and classic, SheerWeave can be fabricated into many different types of window treatments, and the aesthetic quality of these fabrics allows them to easily pair with other draperies and window coverings.

### **QUALITY SECOND TO NONE**

Phifer's quality standards are among the highest in the world. SheerWeave fabrics are manufactured in our state-of-the-art facility in Tuscaloosa, Alabama USA under strict guidelines through ISO-certified production processes. From yarn coating to packaging, every step of the production process is checked to ensure only the finest quality fabrics are given the SheerWeave name.

### **ENVIRONMENTALLY RESPONSIBLE**

At Phifer, we're committed to minimizing the impact on the environment from our manufacturing processes and finished products and incorporating environmental stewardship with our corporate goals...and yours. We use a solutions-oriented approach as we partner with individuals, businesses, the architectural and design communities and governmental agencies to achieve their individual goals of energy conservation and environmental preservation.

Phifer is the world's leader in the manufacture and sale of energy-saving sun control fabrics for both the residential and commercial markets.





## INTRODUCTION TO SHADING

Spanning more than 40 collections in a palette of colors, weaves and range of openness factors, Phifer's SheerWeave fabric line is sure to have a shading solution to meet your needs. Below are a few principles to consider when choosing the optimal fabric for your next window covering project:

SheerWeave fabrics reduce glare by 70%-100% based on color and openness factor, which are the most important features to consider for energy savings and light management.

### **LIGHT VS. DARK COLORS**

SheerWeave color options range from Brite White and Bone to darker Charcoal and Chestnut tones. These color designations go beyond aesthetics and color coordination with interior décor. Lighter color fabrics provide optimum heat reduction, reflect light and illuminate the interior. Darker fabrics provide a superb view to the outside and reduce glare, making them ideal for viewing computer and television screens.

### **OPENNESS DIFFERENCES**

The openness of a fabric refers to the weave or mesh structure and determines the amount of heat and light that enters a room. Generally, a more open fabric allows more heat and light to penetrate into the room, while tighter meshes block more heat and light. Additionally, more open fabrics help maintain better outward visibility.

SheerWeave fabrics are offered in a variety of openness factors to allow optimal light in commercial buildings or provide more privacy in settings such as healthcare facilities.



## BASIC

### AVERAGE OPENNESS

3% and 5%

With all the benefits, certifications, and technical specifications you have come to expect, SheerWeave BASIC is uniquely designed for the demanding and competitive commercial market and is an ideal choice for your spec-driven projects. A more robust fiberglass core yarn gives SheerWeave BASIC the added durability high traffic areas and public spaces require. Suitable for all types of interior window shade applications, SheerWeave BASIC is an economical alternative to traditional solar screen fabrics. BASIC 3% has exceptional sound absorbing performance for an added acoustical benefit. SheerWeave BASIC fabrics can also be used in exterior shading systems.

### FIRE CLASSIFICATION

California U.S. Title 19 (small scale), NFPA 701 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 803.1.1 (Class A Rating), BS 5867 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S 109 (large and small scale), CAN/CGSB2-4.162-M80

*Fire classifications are subject to change. Please go to [phifer.com](http://phifer.com) for the most current information.*

### BACTERIA AND FUNGAL RESISTANCE

ASTM E 2180, ASTM G21, ASTM G22, AATCC30 Part 3, ASTM D 3273, GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives

### ENVIRONMENTAL CERTIFICATION

Certified to GREENGUARD and GREENGUARD Gold standards for low chemical emissions into indoor air during product usage

### SAFE USE

RoHS/Directive 2002/95/EC, US Consumer Product Safety Commission Section 101, ANSI/WCMA A 100.1-2007 for lead content and REACH (EC 1907/2006) compliant

### ACOUSTICAL PERFORMANCE & VALUE

NRC (Noise Reduction Coefficient) and SAA (Sound Absorption Average) tested in accordance with ASTM C423-09a.

BASIC 3%: NRC .60 / SAA .60

### STANDARD WIDTH

98" (248.9 cm)

### STANDARD ROLL LENGTH

30 Linear Yards (27.4 Linear Meters)



V21 Charcoal

V24 Charcoal / Chestnut

V22 Charcoal / Gray

P05 White / Platinum

P04 White / Bone

P02 White





































### DOW ECOLIBRIUM™

DOW ECOLIBRIUM Bio-Based Plasticizers offer a renewable alternative to traditional petroleum-based plasticizers for a more sustainable option. This unique green technology is exclusive to Phifer for the window treatment industry and can only be found in SheerWeave Style 4400/4000/4100 fabrics. ECOLIBRIUM benefits include:

- Lowers greenhouse gas emissions as much as 40% vs. existing PVC compounds
- 98% of the plasticizer is derived from non-fossil fuel based feedstock
- Lower carbon footprint
- Phthalate-free
- RoHS compliant
- LEED credits for rapidly renewable content may be available
- Ability for compound to be recycled in a standard vinyl stream
- USDA certified bio-based product

SheerWeave fabrics manufactured with DOW ECOLIBRIUM maintain all of the established benefits of traditional vinyl such as durability, cleanability and fabric longevity.



PRODUCT CERTIFIED FOR  
LOW CHEMICAL EMISSIONS  
UL.COM/GG  
UL 2818

### GREENGUARD

GREENGUARD Certification ensures products have met some of the world's most rigorous and comprehensive standards for low emissions of volatile organic compounds (VOCs) into indoor air. Phifer was the first manufacturer in the window treatment industry to achieve GREENGUARD certification for interior shading fabrics. Certification is completely voluntary and ensures that the highest industry standards are being applied to maintain indoor air quality for the health and safety of building occupants.



### MICROBAN®

Phifer SheerWeave fabrics are the only shade fabrics in the world to include Microban protection. Microban antimicrobial protection works continuously to inhibit the growth of bacteria, mold and mildew that can cause stains, odors and product deterioration.

- Microban antimicrobial protection is infused into Phifer SheerWeave sun control fabrics for lasting protection that won't wash off or wear away for the lifetime of the shade.
- SheerWeave fabrics infused with Microban antimicrobial technology are ideal for any commercial or residential environment where microbes are a concern, including healthcare, hospitality, home, office, schools and institutions.
- Most SheerWeave fabrics include Microban® antimicrobial product protection. Microban is the leading technology in antibacterial/antifungal protection.

### UV PROTECTION

Most SheerWeave fabrics have received the Seal of Approval by the Melanoma International Foundation (MIF) for effectiveness in preventing sun damage to the skin or eyes.



### CRADLE TO CRADLE

The Cradle to Cradle Products Innovation Institute is a non-profit organization that administers the Cradle to Cradle Certified product standard. This third party program guides designers and manufacturers through a continual improvement process that looks at a product through five quality categories – material health, material reutilization, renewable energy and carbon management, water stewardship and social fairness. The Cradle to Cradle mark provides consumers, regulators, employees and industry peers with a clear, visible and tangible validation of a manufacturer's ongoing commitment to sustainability and their communities.



**ENERGY SAVINGS**

Solar heat gain can account for up to 50% of a building’s energy costs according to the U.S. Department of Energy. By reflecting solar energy, Phifer’s broad range of SheerWeave fabrics reduce solar heat gain, lower energy costs and improve comfort. Phifer shade fabrics allow for the use of natural day lighting to reduce the need for artificial lighting and provide additional energy savings.



**SAFE USE**

The Safe Use designation provides assurance that our products are compliant with some of the most stringent standards for chemical content in the world, including RoHS, REACH, ANSI/ WCMA A 100.1 -2007 and US Consumer Product Safety Commission Section 101 for lead content.



**PVC-FREE/RECYCLABLE**

When a more environmentally-sensitive and sustainable fabric option is preferred, Phifer offers several PVC-free fabrics in multiple openness factors and blackout collections. SheerWeave Infinity2 is manufactured from 100% post-industrial waste and is 100% recyclable. Phifer maintains an active reclamation program for Infinity2.



**ACOUSTICAL (NOISE REDUCTION)**

Driven by LEED environmental objectives, the trend of commercial design is to use more glass with exposed floors and ceilings. With these hard surfaces comes an acoustical challenge that architects and designers must address. Acoustical performance values are expressed by the NRC (Noise Reduction Coefficient) or the SAA (Sound Absorption Average). We have tested a broad range of SheerWeave fabrics for both values based on a free hanging vertical panel to best emulate a roller shade. BASIC 3%, Style 2500, Performance+ Style 2500+ and Style 4901 have overall NRC values of .50-.60 with even more impressive values within frequency ranges of human speech.

BASIC 3%	NRC .60 / SAA .60
Style 2500	NRC .55 / SAA .54
Performance+ Style 2500+	NRC .50 / SAA .49
Style 4901	NRC .60 / SAA .59



**PRINTABLE**

Printing unique colors, patterns, logos and graphics on SheerWeave opens a whole new opportunity for product applications. SheerWeave fabrics are ideal for digital and screen printing methods (as shown in photo at left). Your local printer can recommend the best print options based on their capabilities.



**TRACKLESS TECHNOLOGY®**

All SheerWeave fiberglass yarn fabrics now feature Phifer’s unique TrackLess Technology. This breakthrough technology minimizes the fiberglass yarn’s inherent qualities to track when being rolled up in a shade. With TrackLess Technology, these same fabrics will track less, roll up straighter and reduce shade fabrication time.



### **DURABILITY/CLEANABILITY**

Functional and durable, SheerWeave interior sun control fabrics offer light management while withstanding spills, splatters and the hustle and bustle of high traffic areas. These fabrics are easy to maintain – see below for product-specific cleaning instructions.

**Styles 1000, 2000/2100, 2500/2410/2390/2360, 2701/2703/2705/2710, 3000, 4400/4000/4100, 4600/4500, 4650/4550, 4800, 4901/4903, 5000, 7100, Infinity<sub>2</sub> and BASIC**

Note: The following cleaning practices will not affect the products' ability to resist the growth of microorganisms.

- Clean with mild soap and water.
- If cleaners other than mild soap and water are desired, test in an inconspicuous area prior to use.
- Rinse thoroughly after cleaning.

*Paint solvents will damage the vinyl surface of SheerWeave products and should not be used.*

**Styles 7000, 7200R/7250R, 7400/7450, 7500/7500R, 7600/7650, 7700R/7750R and 8000**

Fabric should be regularly dusted/vacuumed as appropriate. If commercial spot cleaners are used, they must first be tested and allowed to dry on an inconspicuous area to ensure compatibility.

**Performance+ Style 2500+/2410+/2390+**

The metallized coating is fragile and must be handled with the utmost care to avoid damage. Attention must be given during all phases of fabrication and installation to protect the metallized coating. Do not scrub. Do not use tape, solvents or abrasive cleaners which could damage the fabric coating. Clean with a soft, damp cloth.

*If you need further assistance, please call 1-800-221-5497.*





