



## VANGUARD®

### 1. Product Name

- Weblon Vanguard® Architectural Awning Fabric

### 2. Manufacturer

Herculite Products Inc.  
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### 3. Product Description

#### Basic Use

Vanguard Architectural Awning Fabric is a high performance composite textile that incorporates specially engineered flexible polymer technology with a high performance polyester substrate. Made in America for over 20 years, Herculite's Weblon Vanguard has been the choice for the most demanding large architectural awning projects. Offering outstanding performance, value and durability as well as a broad palette of dramatic color choices, Vanguard awning fabric provides the look and dimensional stability needed to create architectural canopies that make bold statements about the facilities where they are used.

Trusted to retain their pliability and color intensity, Vanguard fabrics are manufactured to deliver extreme strength and long-lasting dimensional stability. Vanguard vinyl and polyester composite fabrics contain superior outdoor pigments to ensure prolonged color retention and ultraviolet protection. Waterproof as well as mildew, dirt and stain resistant, the Vanguard formulation contains mildew inhibitors that will not support mildew growth. The fabric accepts most forms of applied, pressure sensitive graphics for decoration of the finished awning. Other decoration methods include solvent based digital printing, heat transfer films, heat sealed and inset vinyls, appliqué, screen printing and hand painting.

Vanguard is engineered to be easy to work with and handle. The fabric has a smooth matte surface and is readily assembled with standard or electronic welding processes. Additionally, Vanguard is made with a special proprietary PVC film formulation that resists scratching and eliminates installation related damage, to give the finished awning the best possible look and most favorable impact. Vanguard fabrics are top coated with Herculite's Rain Kleen®, a specially formulated and proprietary top coating system that helps prolong fabric life and preserve its color intensity. It also acts as a barrier between the fabric and applied vinyl graphics. This prevents plasticizer migration, which is the leading cause



of pressure-sensitive graphics failure. Vanguard is available in 14 vibrant solid colors, is flame resistant and meets the requirements of the California State Fire Marshal (CSFM).

Vanguard is made in America and is the ideal architectural PVC composite fabric for awnings and canopies, poolside structures, car shelters, patio covers, walkway coverings, privacy screens, curtains and in-home decorative ceilings, awnings and drapes.

The Vanguard brand awning fabrics are presented in fourteen designer solid colors.

#### Composition and Materials

Vanguard consists of the following five layers:

1. Face layer PVC film formulation package
2. PVC-based high flex multi-functional adhesive
3. Core stabilized polyester fabric
4. PVC-based high flex multi-functional adhesive
5. Reverse layer PVC film formulation package

#### Features and Benefits

- SPF 50+
- Made in America
- Waterproof
- 14 vibrant colors and patterns
- Age, fade, dirt and mildew resistant.
- Eight-year manufacturers limited warranty
- Can be sewn or welded using heat, radio frequency, solvent, hot air or wedge welded
- Waterproof, dimensionally stable; no shrinkage, stretch, sagging, pocketing or leakage common to woven awning fabrics
- Accepts most types of applied pressure sensitive graphics.
- Flame retardant; CSFM Title 19, NFPA 701, ASTM E84 Class A, M2
- Rain Kleen II top coat for prolonged fabric life and enhanced cleanability

## Sizes

Rolls of up to 50 yards are 62 inches wide.

## Colors

The Vanguard brand fabrics are presented in fourteen designer solid colors.

- Colonial Blue 2984
- Ocean Blue 2946
- Deep Sea Blue 2912
- Driftwood 2919
- Black 2945
- Designer White 2988
- Ivory 2939
- Almond 2997
- Tan 2938
- Sand 2900
- Rust 2909
- Deep Red 2926
- Burgundy 2915
- Glade Green 2911

Vanguard color charts available [here](#).

## 4. Technical Data

### Applicable Standards

#### ASTM International

- **ASTM E 84 CLASS A** Rating Standard Test Method for Surface Burning Characteristics of Building Materials

#### National Fire Prevention Association (NFPA)

- **NFPA No. 701**

### Approvals

- California Administrative Code Title 1 Public Safety Section 1237
- California State Fire Marshall (CSFM) registered

### Environmental Considerations

A building with awnings and shades may qualify for LEED® points.

### Vinyl and the Environment

Vinyl is energy efficient. Vinyl takes 20 percent less energy to produce than many competing products. Vinyl uses 50 percent less energy than polyester and 670 percent less energy than PLA which is derived from corn. Vinyl is lightweight and requires less fuel and generated lower emissions to transport. Herculite's high performance textiles used in sun control applications reflect solar energy creating a shade environment that reduces cooling costs by 17–24 percent depending on geographic location.

Vinyl is inherently recyclable generating one billion-plus pounds of post-industrial recycling annually. Because of its durability and long useful life as compared to plastic bottles, vinyl generated substantially less material to be carted off to landfills and the like each year. Vinyl contributes to a smaller carbon footprint because it uses less fuel and emits less carbon dioxide, (CO<sup>2</sup>), than alternatives for example, vinyl consumes 24 percent less oil than polyethylene, 37 percent less than polyester, 86 percent less than nylon and 204 percent less than aluminum. Vinyl also has lower CO<sup>2</sup> emissions: vinyl generated 30 percent less CO<sup>2</sup> than polyethylene, 120 percent less than polyester and 260 percent less than aluminum.



## 5. Installation

### Seaming Methods

Vanguard may be seamed using these methods:

#### Hot Air Welding

This process of vinyl welding involves the use of hot air—varying from 200 to 600 degrees C or more—to weld two layers of fabric. A nozzle is inserted into the space between the two layers and the hot air is blown inside. Once the surfaces are hot enough, the layers are pressed together using pinch rollers. The weld is created once the rollers are finished pinching the fabrics together.

#### Radio Frequency Welding

Also known as high frequency or dielectric welding; uses radio waves to create heat.

#### Solvent Welding

In this process, chemical solvents are used to create a seam. The solvent is placed along the surface of the fabrics and allowed to rest for a short period of time. The solvent's chemicals break down or soften the fabrics. Once the fabrics are soft enough, pressure is applied to create the seam.

#### Wedge Welding

Two pieces of fabric are passed through a wedge. The wedge is heated and as the fabrics move along, a roller is used to press them together; a seam is created.

#### Sewing Using Polyester or Teflon Thread

The seam is created using a sewing machine. Proper thread selection is critical especially when outdoor applications are subject to harsh weather elements. Polyester and Teflon threads offer strength and durability.





## 6. Availability and Cost

### Availability

Vanguard is readily available with inventory strategically located throughout the United States.

### Cost

Cost information can be obtained from the manufacturer or distributor of Coastline Plus.

## 7. Warranty

Vanguard carries an eight-year limited manufacturer's warranty. Complete warranty terms and conditions are available from Herculite Products Inc.

Vanguard Warranty information available [here](#).

## 8. Maintenance

Vanguard Architectural Awning Fabric is a polyester reinforced PVC fabric that will provide many years of satisfactory service. It is waterproof, flame, mildew, stain and dirt resistant. The Rain Kleen surface treatments further enhance longevity and ease of maintenance. Properly fastened to the frame, it will retain its trim fit as well as its protective function and aesthetic value. Since no

industrial textile is impervious to all hazards, periodic and proper maintenance is important if maximum life of the product is to be realized. Detailed care and cleaning instructions can be obtained from the manufacturer or distributor of Vanguard Awning Fabric. Vanguard Care and Cleaning information available [here](#).

## 9. Technical Services

Detailed information, product samples and literature, test results, project lists and assistance in preparing specifications are available through Herculite Products, Inc.

For questions about specifications, code regulations, product usage or product installation, please call Herculite Products, Inc. or visit our website: [www.herculite.com](http://www.herculite.com).

## 10. Filing Systems

- ConstructConnect
- Additional product information is available from the manufacturer upon request ➡