



How it's Measured: A Performance Fabric Glossary

WEATHERING – measures how well the fabric endures the outdoor environment. The test should assess color fading and strength after weathering. Glen Raven owns more Atlas Xenon Weatherometers than the rest of the fabric industry combined, and rigorously tests fabrics for both color and strength retention by simulating years of severe weathering conditions ranging from humid Florida to the desert southwest. That's why Sunbrella awning and marine fabrics have a best-in-class 10-year limited warranty against both color and strength loss, guaranteeing your customers will be delighted with their awning installations for years.

STRENGTH – measures the force a fabric can withstand before rupturing (break strength) or tearing (tear strength). Sunbrella's proprietary fibers, finishes and processes enable it to perform 12% to 25% better than competing fabrics in both tests. More importantly, it maintains 90% of that strength over the life of the fabric, even in the harshest environments.

HYDROSTATIC PRESSURE – tests for water resistance by measuring the amount of water in a column required to produce a drip through the fabric. Sunbrella withstands a water column over 45 cm tall, 25% to 50% higher than the competition, keeping your customers dry with no loss in breathability.

RAINS – tests the amount of water that penetrates the fabric on impact. This test simulates heavy rain with a spray head and controlled water pressure. The next generation of Sunbrella allows a mere 0.6 grams of water to pass through. Our competitors allow up to 13 grams. The choice for keeping your customers dry is clear.

WATER VAPOR TRANSFER – gauges breathability by measuring the amount of water vapor that penetrates 1 square meter of fabric over 24 hours. Sunbrella scores an industry leading 1,500 grams – remarkable for a fabric that also scores highest in water resistance. Sunbrella is the perfect choice for comfortable environments.

PINHOLES – measures the visible points of light that can be seen viewing a fabric against a light box in a darkroom. This test shows 400 pinholes in competitive fabrics. Sunbrella averages around 25 – the difference is a visible proof of quality, solid construction and water resistance that your customers will notice.

100 years since introducing our first awning fabric line, Sunbrella represents the pinnacle of technology for performance fabrics. It's the name you and your customers trust when you need beautiful, durable fabrics.



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CARE OF SUNBRELLA® FABRIC

SUNBRELLA® is made from 100% solution-dyed acrylic fiber which gives it color brightness which is unsurpassed. Being a woven fabric, it breathes and is translucent. It is guaranteed for a period of five years against loss of color or strength from normal exposure conditions, including sunlight, mildew, rot, and atmospheric chemicals. SUNBRELLA has a fluorocarbon finish which provides excellent water repellency.

1. SUNBRELLA® should be cleaned regularly before substances such as dirt, roof particles, etc., are allowed to accumulate on and become embedded in the fabric. The fabric can be cleaned without being removed from the frame. Simply brush off any loose dirt, particles, etc.; hose down and clean with a mild natural soap in lukewarm water (under 100° F). Rinse thoroughly to remove soap. **DO NOT USE DETERGENTS.**
2. For stubborn stains, soak the fabric for approximately twenty minutes in a solution of not more than ½ cup (4 oz.) bleach and ¼ cup (2 oz.) natural soap per gallon of water at approximately 100° F. Rinse thoroughly in cold water to remove all soap. Note: Excessive soaking in bleach can deteriorate sewing threads. This method of cleaning may remove part of the water repellency and the fabric should receive an application of an air-curing water repellent treatment, if water repellency is a factor.
3. SUNBRELLA® may be dry cleaned, but a water repellent treatment must be applied to the fabric after dry cleaning to re-establish water repellency. SUNBRELLA® is made from 100% acrylic fiber and is thermoplastic or heat sensitive. When washing or cleaning, **DO NOT SUBJECT TO EXCESSIVE HEAT**, as the fabric will shrink. **DO NOT STEAM PRESS OR DRY IN ELECTRIC OR GAS DRYERS**, but allow to air dry.

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Water Vapor Transfer

Tests for breathability. Sunbrella scores an industry leading 1500 grams which is remarkable for a fabric that also scores highest in water resistance.

Benefits of Sunbrella: Customer Benefit

- Sunbrella is the world's leading indoor/outdoor performance fabric; Sunbrella is all over the globe.
- Glen Raven's Marketing budget is aimed at educating the consumer on the value of awnings and shade products ultimately driving business to your door. For example, here are some exact advertisements. (reach out to creative)
- Sunbrella is the only solution dyed acrylic that is made in the USA. Isn't it great when you can support the United States economy?
- Sunbrella can be recycled at any Trivantage location.
- Sampling site that offers free of charge samples.
- Glen Raven, maker of Sunbrella, is landfill free. 2.4 million pounds of waste is recycled annually. This is an important environmental statement.
- Sunbrella Pop Up and Sunbrella Identity offers marketing support for your business.

Benefits of Sunbrella: Consumer Benefits

- Sunbrella is the world's leading indoor/outdoor performance fabric.
- Made in the USA
- Sunbrella can be recycled.
- When you buy Sunbrella, you know you are buying from a manufacturer that is landfill free.
- The Skin Care Foundation recommends Sunbrella as an aid in the prevention of sun-induced damage to the skin.
- Trivantage with the support of Glen Raven stands behind every yard of Sunbrella sold with a 10 year warranty.

Strength

Sunbrella's proprietary fibers, finishes, and processes enable it to perform 12-25% better than competing fabrics as it pertains to break strength and tear strength testing. More importantly, it maintains 90% of its strength over the life of the fabric.

High hydrostatic ratings (water repellency rating)

Sunbrella's hydrostatic rating is 45 cm tall. This is 25-50% higher than competitive fabrics keeping your customer dry with no loss of breathability.

Pinholes

Sunbrella averages about 25 pinholes. Tests show over 400 pinholes in competitive fabrics. This is a visible proof of quality, solid construction, and water repellency that your customer will notice.

Rain Test

Tests the amount of water that penetrates the fabric on impact by simulating a heavy rain. Sunbrella tests show 0.6 grams of water passing through. Competition shows 13 grams of water passing through.