

## About our Frames



### **Aluminum Frames**

*Aluminum Frames*, Will not rust or corrode. All of Wanda Tech's powder coated aluminum frames feature the most durable finish on the market. This finish resists scratching, blistering, chipping and peeling in normal use. Our Umbrella frames are Grade A Anodized Aluminum. That means we use only the best material. All frames are constructed from ingots and raw materials.

### **Anodized**

Anodized Aluminum is electrochemical process that thickens and toughens the naturally occurring protective oxide. Anodized finishes have made aluminum one of the most respected and widely used materials today in the production of Patio Umbrella's and Patio furniture. Anodizing offers a large increasing number of gloss and color alternatives and minimizes or eliminates color variations. Unlike other finishes, anodizing allows the aluminum to maintain its metallic appearance.

### **Powder Coating**

Powder coating is a method of applying a decorative and protective finish. The powder used for the process is a mixture of finely ground particles of pigment and resin, which is sprayed with a special spray gun that electrostatically charges the powder. The charged powder particles adhere to the electrically grounded parts until heated and fuse into a smooth coating in a curing oven. Resulting in a smooth continuous coating that is highly durable, scratch and chip resistant.

### **PU Coating (Polyurethane Coating) (Apply on umbrella frame)**

Once the Powder Coating process is completed Polyurethane is then applied to the frames. Polyurethane is an incredibly resilient, flexible, and durable manufactured material that can take the place of paint. Polyurethane coatings not only protect the finish from harmful elements but also product look better and last longer. It is the best in the industry to apply on the aluminum frame.

## ***About our Fabrics (covers)***

### **Fabrics A**

**Sundura Fabric** is a PU coated Polyester fabric which has a high strength-to-weight ratio, and is the most economical fabric used by Wanda Tech. Sundura is a 100% yarn dyed fabric, and the material is strong given its thickness and weight. Sundura is colorfast, resistant to chemicals, and can be easily washed. Polyester fibers absorb very little moisture. This fiber is quick drying, abrasion resistant; and a low cost, durable fabric. Polyester should retain its color for a year at the very least, depending on daily sun exposure and intensity. Sundura Poly Fabric is 10 oz/per square yard fabric, which is one of the thickest fabrics in industry. The PU coating treatment on the surface provides the extra water repellent feature that most fabrics just “spray” on surface only. The PU coating is able to withstand stronger water pressure than the popular Scotch-guard treatment that is used in the sofa and cushion industry. Expect products equipped with Sundura to be priced slightly less than products using Sunbrella fabrics. Made in China, **1 Year Warranty**

**Sundura also features Premium Olefin fabric** which is a Taiwanese made, 100% solution dyed Polypropylene fabric with PU coating, approximately 8 oz/per square yard. Sundura Premium Olefin fabric is a woven texture fabric with a course composition that is highly durable. The fabric will retain its color for 1 year at the very least, depending on daily sun exposure and intensity. As an umbrella canvas, our premium fabric cover has many of the same characteristics as Polyester & Acrylic. Sundura Olefin is abrasion resistant, stain resistant and easy to clean. Much like other synthetic fibers, it absorbs very little moisture. This fiber is quick drying. However, Sundura Olefin is one of the best value fabrics and maintains its color characteristics longer. Made in Taiwan, **1 Year warranty**

### **Fabrics C (Solid color) & D (Linen, Stripes & Prints)**

**Sunbrella fabrics** are made in the USA, by Glen Raven Mills in SC, produced from tough acrylic fibers. The Sunbrella brand fabrics are not only beautiful, they are incredibly durable. Sunbrella is a 100% solution dyed Acrylic fabric, approximately 8 oz/per square yard. The furniture grade fabrics are made from the same acrylic fibers as the awning & marine fabrics. So the fabrics are tough. Resist sunlight, mildew, rot and most atmospheric abuse. The fabrics are porous, which lets the material breathe, for greater comfort in hot weather. Sunbrella is coated with a soil and stain resistant finish that makes cleanup a breeze. Sunbrella has proven for decades in the US that it is one of the finest fabrics in the outdoor category. Made in USA, **3 Year warranty**

# **CARE AND MAINTENANCE**

## **Fabric**

**Warning:** always unplug any electrical appliance before attempting any service.

1. The umbrella fabric should be cleaned regularly to maintain the life of the fabric. Failure to properly maintain the umbrella fabric may result in reducing the longevity and quality of the fabric.
2. The fabric may be cleaned without being removed from the frame.
3. First, brush off any loose dirt or dust. Then, hose down the fabric with cold water. If necessary, use all a 100% natural soap to clean the fabric. Only use a soft sponge when washing the fabric. **DO NOT USE DETERGENTS.**
4. Rinse thoroughly with cold water to remove the soap.
5. Open the umbrella fully to allow the fabric to dry thoroughly, to prevent mold and mildew. NEVER store the umbrella away wet.

## **Frame**

**Warning:** always unplug any electrical appliance before attempting any service.

1. The umbrella frame may be rinsed off with a hose.
2. If soap is needed, use a mild soap with a soft sponge.
3. Rinse the umbrella thoroughly.
4. Open the umbrella to allow the frame to dry. Wipe off any excess water around the switch or sockets.
5. Make sure the umbrella and surrounding area is dry prior to plugging in and turning on the power.
6. Any auto polish may be used on the frame to help protect the frame from the elements.