



extreme  
ENGINEERING



**FLX SHADE**

Easy Aid To Shade





FLX Shade™ system above a queuing area.



# FLX SHADE

Easy Aid To Shade

The patent pending FLX Shade™ system uses our patented flex rod technology. The flex rod provides the load tension, minimizing all the cumbersome hardware needed to tighten traditional sail shades. FLX Shades™ are configurable by length, pitch and height as well as come in over 30 colors. Custom screen printing is also available.

We can create shade almost anywhere. The FLX Shade™ system can easily create shade for your guests to enjoy at theme parks, queuing areas, commercial spaces, resorts, sport centers, outdoor museums to everything else in between. The FLX Shade™ system can withstand high wind loads up to 70 MPH and harsh, outdoor weather. Our above ground anchor options make the FLX Shade™ installation a breeze! We also offer the best warranty options on the market, up to 15 years on Sails, 10 years on structure and a limited 10 years on the flex rods.





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## FLX SHADE™ - Easy Aid To Shade

The FLX Shade™ system offers unlimited layouts, easily blending in with the natural environment, while also providing maximum shade potential. The small flex poles, just 2 inches in diameter, minimize the amount of structure needed. Up to 50% less in structure is used to install the FLX Shade. Create aesthetically pleasing shade that provides focal points on designated areas, not blockades, throughout a park.



Sample Layout

### FLX SHADE™ - Optional Above Ground Mounts

Above ground options available with the FLX Shade™ mounts. FLX Shade™ mounts designed to easily install into concrete with expansion bolts (comes included with hardware). Above ground option is designed to not impact existing infrastructure below ground, such as electrical and water lines. Flex poles easily slide into mounts for shade set up.





# FLX SHADE

The anatomy of great shade

## FLEX ROD TECHNOLOGY

The patented flex rod technology provides the load tension, minimizing all the cumbersome hardware typically needed to tighten the sail shades.

## ADJUSTABLE CLAMP AND CHAIN LINK

The included clamp and chain link kit can be adjusted to easily distance the sails and set the desired angles with the flex rods.

## END CAPS

The flex rods come fully equipped with precision endcaps.

## SAILS

The FLX Shade™ system can utilize various sail shapes, sizes and grades. Sails are available in over 30 colors, including screen printing.

## ABOVE GROUND MOUNTS

The FLX Shade™ system offers optional above ground steel mounts. The steel mounts can be easily installed above concrete with anchor bolts (included). Flex poles can easily slide out of the mounts when not in use.

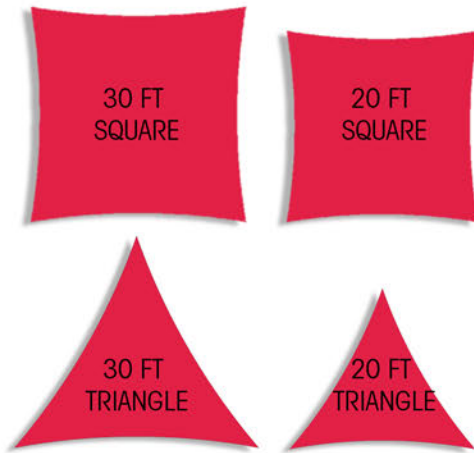


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## FLX SHADE™ - Standard Sizes

The FLX Shade™ offers 4 standard sail sizes, with custom options available.



## FLX SHADE™ - Sail Colors

The FLX Shade™ offers over 30 sail colors, using the highest grade materials on the market. The sail material is a perfect balance between weight and UV protection. It is also slightly stretchable, making it tear, rot and fray resistant. The sails come with a standard 15-year warranty against UV degradation and are 100% recyclable. Here are just some of the vibrant colors to select from:



## FLX SHADE™ - Technical Data

- Warranty: 15 years on sails, 10 years on structure and flex poles.
- Flooring Types: Concrete, steel and other surfaces after evaluation.
- Below Ground Install: Only 3 feet for steel sleeve inserts, 8 to 10 inch radius for concrete piling.
- Above Ground: 5 inches minimum of concrete thickness for above ground mounts.
- Max Pole Lengths Included: 14 feet.
- How Many Sails To A Single Pole: 2 sail corners per pole.
- Max Wind Load: 70 MPH (112 KM/H).
- Max Span For Sails: 30 feet.
- Pole Distances For Sails: 12 inches at each corner.
- Flex Pole diameter: 2 inches.
- Installation: We offer installation or the sails can be self-installed.



We provide the best to the best in the world! Extreme Engineering works globally with over 5,000 clients. We are the ultimate designers of adventure rides.

**Here are just some of our clients:**



Extreme Engineering is the first company in amusement history to earn the unprecedented honor of achieving "Best New Product" 5 years in a row and 18 amusement industry awards, including several "Best Major Attractions." Extreme Engineering also received awards in several other categories such as "Best Technology Applied," "Best Major Theme Park Ride," and "Best Exhibit."



We are the leaders in family-friendly thrills. All of our products are family-friendly focused, providing attractions fun for all ages.

**WHY CHOOSE US?**

- ✓ Engineering at its best. All products exceed ASTM standards.
- ✓ Quality and Safety comes naturally, Fun is our business®.
- ✓ We work with the big guys. Our client lineup speaks for itself.

U.S. Patents and Patents Pending, Proudly Built in the U.S.A.



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