

WeatherMAXTM FR

The Beauty of WeatherMax FR - Fire Retardant & Fade Resistant!

The requirement for flame retardant fabrics continues to grow as fire regulations become ever more demanding. WeatherMax FR now provides the perfect solution in an FR fabric that will not fade, but will retain its original vibrant colour and looks for years to come. For architectural, commercial and domestic applications, WeatherMax FR is the only fire retardant fabric for covers, awnings, tents or other applications where resistance to fade and fire is critical.

FR Performance - An essential attribute?

In certain applications and environments the flame retardant properties of a fabric are critical. These properties can vary from application to application and country to country. Through its unique coating WeatherMax FR now satisfies all the major FR requirements throughout the UK, Europe and the USA for the manufacture of awnings, tents and covers etc. This unique FR coating has been developed to last and perform throughout the full life of the fabric. It is essential to identify exactly what FR requirements are needed for an individual project. As these specifications can change and WeatherMax FR continues to evolve please contact us for specific details, certificates and test results.

Why does WeatherMax FR not fade?

WeatherMax FR is made from the SaturaMax yarn. This is a solid pigment, solution dyed polymer yarn. This ensures the highest quality coloured yarn is produced. As the colour is physically part of the polymer yarn itself, it offers superior colour consistency, light fastness and strength characteristics. The exceptional quality of this yarn ensures the fade resistance of the WeatherMax FR is equal to that of acrylic fabrics.

Why does WeatherMax FR not sag like acrylics?

WeatherMax FR is made with filament yarns. These yarns can be stretched but recover to their original length completely. This provides a very stable cover that will not shrink or grow. Acrylics, in comparison, are made from spun yarns that also stretch under load but do not recover completely, leading to unsightly sagging.

Key Facts

Strength..... **2 x stronger than acrylic**
Durability..... **6 x better than acrylic**
Fade resistance.. **Equal to the best acrylics**
Shape **Does not sag in use**

What about strength and abrasion?

WeatherMax FR quite simply outperforms the competition. It has twice the strength of acrylic and is six times more durable under abrasion and rubbing.

What weight is WeatherMax FR available in?

WeatherMax FR is available in one style and has a weight of 305g per sq metre. It is an ideal solution for architectural structures, awnings, covers, upholstery, cushions, umbrellas and sun shades where FR requirements need to be met.

What is the HydroMax finish?

HydroMax is a highly water repellent impregnated finish that helps give WeatherMax FR the ability to protect against heavy rain while keeping its breathability and dimensional stability. The finish is also highly resistant to dirt and staining. An anti-microbial component is also added to the finish to help prevent any potential mildew or mould growth on top of the fabric.

How is WeatherMax FR woven?

WeatherMax FR 80 is woven using an Ottoman weave. This is a combination of a plain and basket weave. This creates a fabric offering the best combination of strength, durability, and stability. It gives WeatherMax FR its firm feel and a very subtle ribbed texture, refined to the eye and luxurious to the hand.

Is WeatherMax FR the perfect balance?

If you want to build a cover that is FR, highly water resistant, is strong, stable, light weight and will look the part for years to come then WeatherMax FR is your answer.

FR Rated Approvals:
BS5867:Part2:TypeB, other BS Standards In Testing, German B1,CSFM Title 19, CPAI-84, NFPA 701, FMVSS 302, ASTM E-84 Class A or 1

For further details and specific advice please consult your local sailmaker or cover manufacturer.