



## PREMIUM PANELLED TECHNOLOGY QUALITY / VALUE / PERFORMANCE

Our Premium Panelled sails combine our high-tech custom materials with traditional sailmaking out and sew techniques to deliver acknowledged performance across a range of price points.



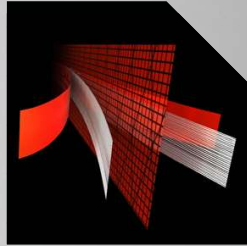
### SPIDERFIBRE

Spiderfibre is a fibreglass filament with very high tensile strength. Used to minimize weight and maximise strength.

Traditional sail-making utilizes small corner patches that diffuse the load approx. 30cm, often ending before or even at a seam creating a weak spot.

We use a web of SpiderFibre that transfers the load out of the clew and across any seams to diffuse throughout the body of the sail. By using stronger, lighter fibres these radials measurably reduce weight and increase strength. Swing weight is also reduced as the clew patch weight has been replaced with lightweight vectors that extend the full width of the sail.

The result: Lighter, Stronger sails.



### AERO BATTEN POCKETS

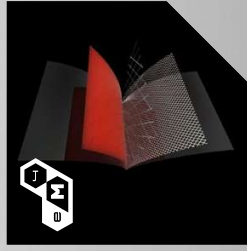
In our quest to create a truly symmetrical sail we have developed the AERO BATTEN POCKET. Rather than add the batten pocket on one side of the sail, the panels of the sail are overlapped to create a channel for the batten. The tensioner is then loaded from both sides of the sail creating even tension across both sides of the foil.

The result is improved sail symmetry and reduced weight.



### IMPACT ZONE

Heavy duty materials are kept lower in the sail, the area traditionally prone to damage from knees and harness hooks. Twisted fibres and stronger yarns are combined with thicker films for maximum durability. This extra weight is kept low in the sail so it does not affect the swing weight and lightweight feel of the sail.



### eM4: HIGH LOAD LAMINATE

Based on the proven eM3 platform, the high load eM4 material features twice the amount of X-Ply fibre and increased film thickness to maximise durability. This new material allows weight reduction whilst maintaining puncture resistance and tear strength. Used in the lower impact zone in the sail.

/ SCRM POLYESTER  
/ XPLY POLYESTER  
/ GSM 190GSM



### POWER ZONE

The mid section of the sail generates the sail's power and defines the vision through the window. Specific X-Ply materials are used to maximize visibility in our 100% X-Ply sails. Stronger fibres and our Twisted Fibre technology means that less fibres are required and allows for a wider spacing to give better vision.



### T858: DYNEEMA WINDOW X-PLY

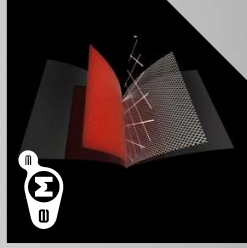
Wide spaced X-Ply with white colored fibres maximises vision. T858 uses flat ribbons of Dyneema to keep the film as flat as possible so that vision is not distorted. Used in the window areas of selected sails.

/ XPLY DYNEEMA  
/ GSM 175GSM



### CONTROL ZONE

The upper section of the sail defines the control characteristics of the sail. To maximise the handling, we use the lightest materials in the main body, reducing both weight and swing weight.



### eM3: DURABLE AND LIGHTWEIGHT

Combining the performance of the e-series materials with maximum durability. The addition of a pre-reg polyester scrim has provided unique tear resistant characteristics. Off-axis loads are carried through the 22-degree X-ply fibres. The red and new blue adhesive maintain the UV resistance and tear strength, while the reduced film thickness significantly reduces the weight. The use in the upper panels reduces not only the overall sail weight, but also the swing weight, aiding manoeuvrability and control.

/ SCRM POLYESTER  
/ XPLY POLYESTER  
/ GSM 160GSM