



a revolutionary new laminate





## MAXX<sup>®</sup> Carbon

When performance is critical, the **MAXX<sup>®</sup> Carbon** provides the strength and stability necessary to win. Aero-space carbon fibre is combined with high modulus Twaron 2200 aramid to achieve the ultimate in performance.



## MAXX<sup>®</sup> Euro Pen

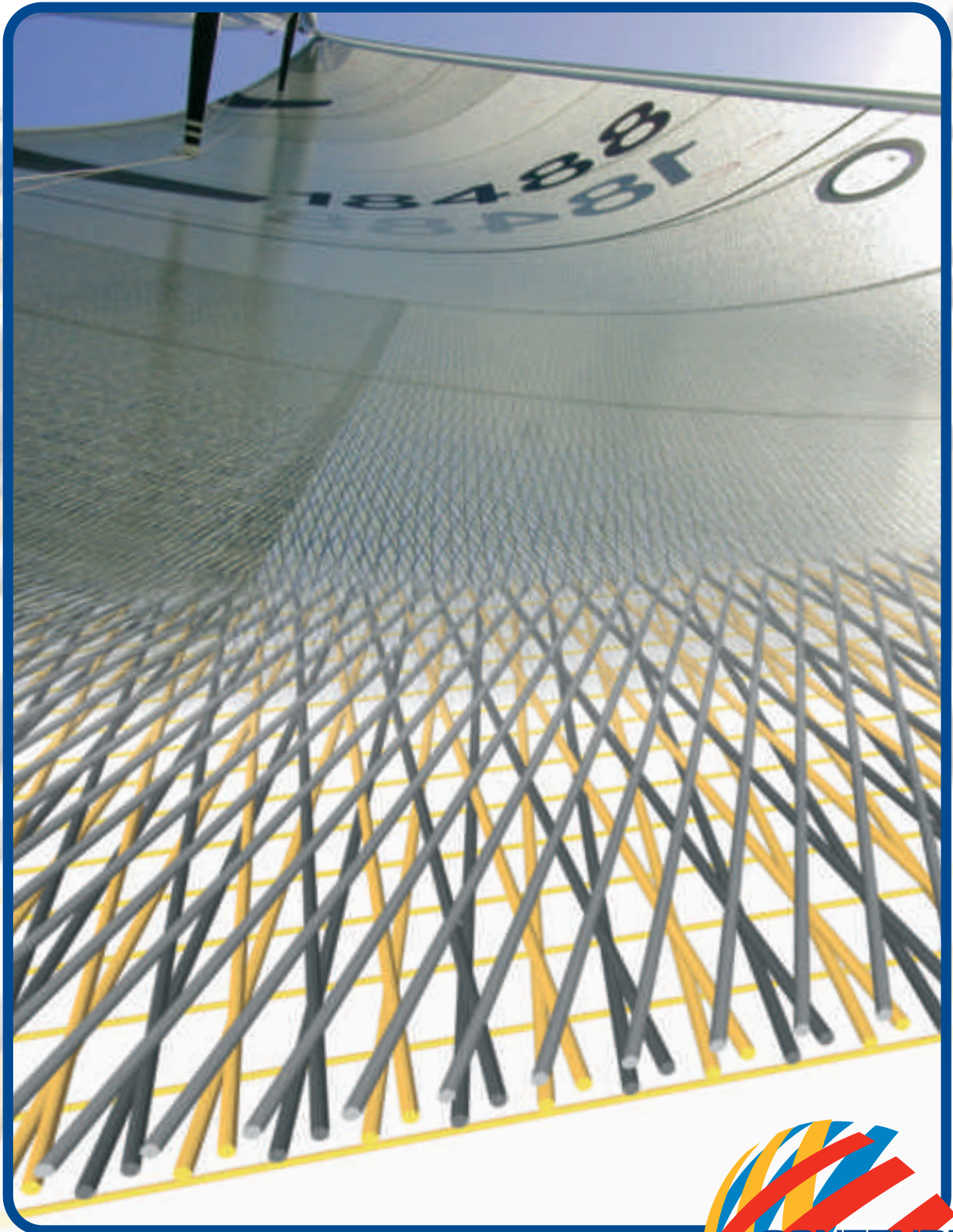
For applications where carbon and aramid can not be used, **MAXX<sup>®</sup> Euro Pen** laminates can upgrade the performance of both one design and handicap rated sails without sacrificing durability. The excellent flex fatigue properties of Euro Pen fibres in conjunction with the soft hand of **MAXX<sup>®</sup>** laminates results in sails that will hold their shapes longer and be easier to handle.



## MAXX<sup>®</sup> Voyager

For serious sailors looking for long life in their sails, **MAXX<sup>®</sup> Voyager** laminates are setting a new standard in durability for both the racer and the cruiser. Voyager laminates are protected with an outer skin of rugged polyester taffeta for increased abrasion and flex resistance. These taffetas are specially treated to help resist mildew and protect the inner fibres from UV exposure.





flexible • low in stretch • tear

# Why **MAXX**®?

- **Smoother shape and better shape holding:** Fibres arranged in 4 different directions to meet changing load paths from adjustments to mast bend, sheeting angle and trimming.
- **More durable:** **MAXX**® technology provides enhanced fibre flex life, reduced shrinkage and a longer working life for the sail.
- **Easier to handle:** soft hand for easy handling and stowing.
- **Higher tear resistance:** Multiple angles of fibres in **MAXX**® laminates provide unprecedented puncture and tear resistance.
- **Excellent lamination:** **MAXX**® fabrics are constructed using proprietary, high pressure laminating techniques with solvent based adhesives for unparalleled bond strength.

A new

way of

sailmaking

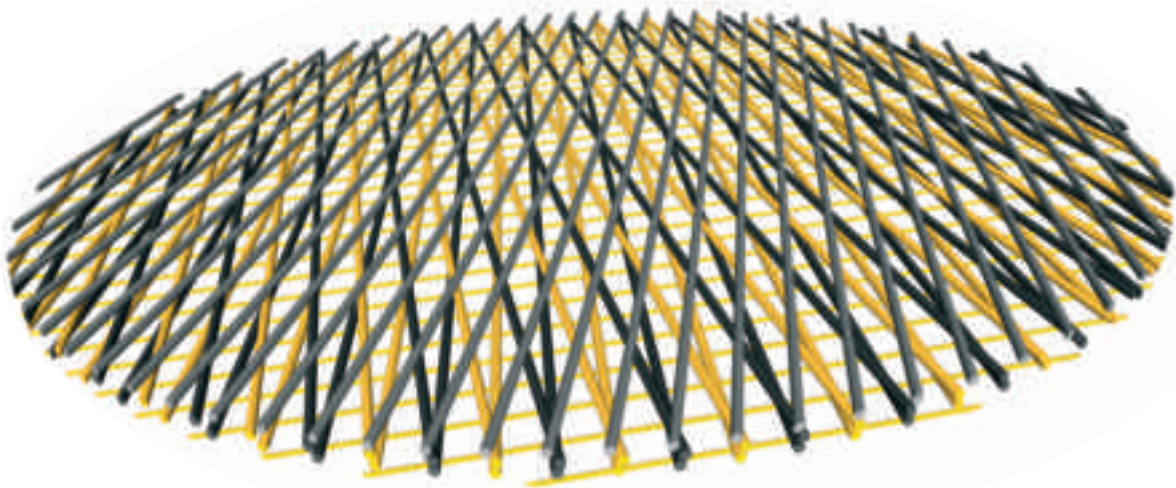
82°

## **MAXX** laminates,\*

will revolutionize how sails are built and perform.

When you first look at a sail built with **MAXX** technology, you immediately notice that it is different. Instead of many small panels, the **MAXX** sail is a collection of horizontal sections that produce an incredible smooth and fair shape.

Until now, laminate sails have been built from materials that had all their strength in only one direction. This meant that sails had to be cut radially to allow the fibres to follow the loads in the sail.



In **MAXX**, high modulus fibres are arranged asymmetrically along 4 different axes within the cloth. These multiple angles of fibres are better able to disperse and subsequently stabilize any changes in load path throughout the sail.

For example, moving the genoa lead back to flatten the foot and twist open the top of the sail, will cause the load lines to migrate from the leech towards the centre of the sail. With **MAXX**, the fibres are already in place in the cloth for these changing load paths. **MAXX** sails will respond more accurately to trimming changes and tuning adjustments.

\* Patent pending



multiple angles • high in strength



Formed in The Netherlands in 1986, Contender Sailcloth is a worldwide organization devoted to supplying sailmakers with the best available fabrics for all their sail making requirements. Sailcloth and the related hardware for the manufacture of sails forms the principal business.

The offices are run by sailors who actively participate in the sport at all levels, from One-design to Grand Prix to Cruising. Contender understands the needs of sailmakers and works with them to provide the best materials for the job.

Contender enjoys strong working relationships with yarn suppliers, weavers, and finishers in Europe and North America. With the unique understanding of the sailcloth market, Contender uses the resources of these partners to meet the demands of the market with innovative fabrics using the latest in fibre, weaving and finishing technologies.

The result is a range of fabrics renowned for its quality and performance.



## Contender Worldwide

Headoffice: Contender The Netherlands

Contender U.S. • Contender Australia • Contender U.K. • Contender France • Contender Italy  
Contender Germany • Contender Finland • Contender New Zealand • Contender Spain  
Contender Sweden

[www.contendersailcloth.com](http://www.contendersailcloth.com)