

INFLATABLE REVOLUTION*

mistral®

* A new Construction for Inflatable SUP Boards

NEW INFLATABLE SUP BOARD CONSTRUCTION

During 2014, Mistral is set to launch the World's first inflatable stand up paddleboard (iSUP) range, manufactured using a revolutionary new internal construction technology.

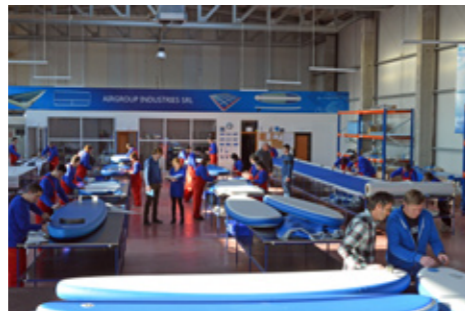
Up to this point in the sport's history, iSUP boards have for the most part, relied upon a manufacturing technology which uses a drop-stitch material. Thanks to the outstanding ability and experience of technicians working in cooperation with Mistral, combined with European based state-of-the-art production facilities and technology, coated fabrics of superb quality using multiple-layers of PVC, have been developed successfully and are now being manufactured exclusively for Mistral.

The requirements for coated fabrics are becoming more and more diverse, whether they need be flame-retardant, tear-resistant, anti-static or highly weatherproof. Modern manufacturing technology and quality control of the production processes, now guarantees the highest levels of safety and quality.

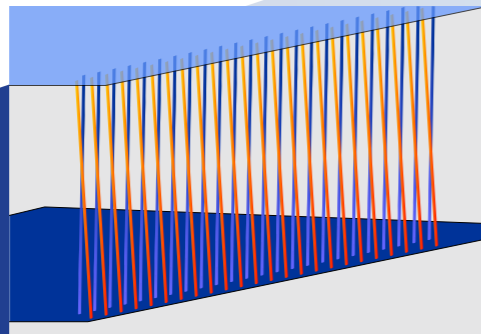
The double-wall fabric is a three-dimensionally woven structure, the two basic fabrics interlinked with numerous spacer threads. Instead of using single linear polyester threads, this new German advanced technology, incorporates a woven, drop-down construction. The result is a much lighter, durable and stiffer board.

The advantages

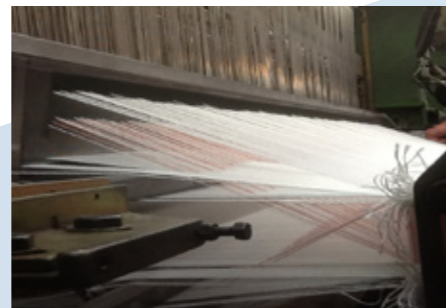
- Airtight coating
- High tensile strength
- High stiffness
- Extremely light boards (ca. 1.94 kg/m²)
- 1,0 bar of pressure provides for enough stiffness
- Can take high pressure
- Excellent high stress distribution
- Durable and UV-resistant
- Strict pre-testing on quality and pressure



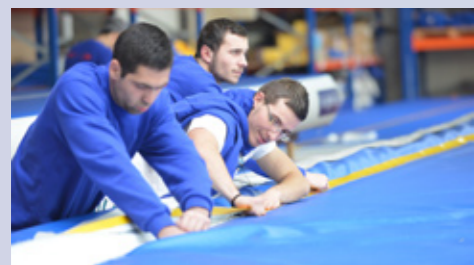
New Mistral high tech production



The woven down drop is crossing from top to bottom like a X.



The main difference to normal dropstich material is the method how the threads are made. In the new Mistral SUP light weight boards, the threads are woven like a pullover.



NEW PRODUCTION IN EUROPE

- Made in Europe with superior raw materials and 100% REACH Certificated quality
- Woven drop-down construction replacing unstable Jersey drop-down knitting
- Lightest and most torsion stiff double wall fabric worldwide
- Warp and weft tensile strength up to 50% more durable than existing technology

All components of the double-wall fabrics used are compliant with the European Community regulation on Chemicals -REACH no. 1907/2006 (Registration, Evaluation and Authorization of Chemicals). The aim of REACH is to improve the protection of human health and the environment. There are absolutely no prohibited substances, such as lead or cadmium in the fabrics used, making this product unique in the world! The fabrics are manufactured in Germany under the internationally recognized quality norm DIN EN ISO 9001:2008 with air.

Processing of technical textiles and of double-wall fabrics in particular, requires maximum precision and care. For this reason, manufacturing of these new Mistral iSUP boards is from within a Mistral controlled European company and factory, featuring completely new and modern production facilities overseen by highly trained staff and technicians. Exact cutting and detailed markings of the

surfaces to be glued are essential, being that the upper and lower layers of a cut must be absolutely congruent. To compensate for any possible process intolerances of the double-wall fabric, including weft distortion, Mistral's production process, ensures cuts are measured both longitudinally and transversely and that only the best 2-component glues, fabrics and additional components are used.



Environmental protection is a decisive part of our thinking

As a modern international company, Mistral's thinking is not merely local or national but most significantly, global. Minimization of environmental damage, maximization of efficiency and economy of use of raw materials with a mission to ensure protection and care for our natural resources – are integral to the entrepreneurial principles of **mistral**



mistral®

DIMENSIONS 12'6" CRUISER

LENGTH	12'6" / 380 CM
WIDTH	31" / 79 CM
THICKNESS	6" / 15 CM
VOLUME	265L
WEIGHT	8,2kg incl. Fin

CHARACTER 12'6" CRUISER

STABILITY	90 %
TRACKING	90%
MANEUVER	60%
SPEED	80%

FINS 12'6" CRUISER

US Box fin System: 20 cm | 7'8"

CRUISER 12'6"
ALLROUND



DIMENSIONS 10'5" ADVENTURE

LENGTH	10'5" / 320 CM
WIDTH	31" / 79 CM
THICKNESS	6" / 15 CM
VOLUME	210L
WEIGHT	7,2kg incl. Fin

CHARACTER 10'5" ADVENTURE

STABILITY	80 %
TRACKING	70%
MANEUVER	90%
SPEED	60%

FINS 10'5" ADVENTURE

US Box fin System: 20 cm | 7'8"

ADVENTURE 10'5"

Sensational Board weight:

10'5" x 31" including Fin, only 7.2 Kg

12'6" x 31" including Fin, only 8.2 Kg

mistral

coast life

mistral
www.mistral.com

MISTRAL RED DOT DIVISION B.V. Industrieweg 4/A, NL-7641 AT Wierden, The Netherlands
Phone: 0031-(0)546 484 680, Fax: 0031-(0)546 484 689
General information: info@mistral-red-dot.com
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