

ARXE



Origins of the art of sailmaking

MILLENIUM® ARCHÈ TECHNOLOGY

MILLENIUM® ARCHÈ IS THE WORLD'S UNIQUE SAIL BUILT IN ONE PIECE THROUGH A PROCESS OF DIE CASTING, USING CONTINUOUS FIBER YARNS FROM CORNER TO CORNER. THERE IS NEITHER HEAT MOLDING NOR PLASTIC DEFORMATION OF THE MATERIALS, BROADSEAMING IS INDUCED BY THE CONVENTIONAL WAY. MILLENIUM® ARCHÈ HAS NO SIZE LIMIT AND HOLDS THE WORLD RECORD FOR THE BIGGEST ONE-PIECE SAILS EVER BUILT: THE CODE#1 FOR THE WALLY YACHT 143-FOOTER "ESENSE", WHICH HAS A LUFF LENGTH OF NEARLY 52 METERS, AND THE MAINSAIL FOR THE J CLASS "SHAMROCK", WHICH IS 462 SQUARE METERS.



FIBER YARNS ARE AVAILABLE IN A WIDE SELECTION: CARBON, ARAMID, POLYETHYLENE AND A COMBINATION OF THEM. SAIL SKINS CAN BE SPECIFIED FROM "UV RESISTANT" FILM-ON-FILM TO SINGLE OR DOUBLE SIDED TAFFETA IN A VARIETY OF COLOURS. TAFFETAS ARE PRE-BONDED TO THE SUBSTRATES AND BECOME INTEGRAL PART OF THE LAMINATE IN THE FUSION PROCESS. YARNS ARE LAID CONTINUOUSLY FROM CORNER TO CORNER, CROSSCUT SEAMS ARE TOTALLY UNLOADED: SIMPLE, LIGHT, STRONG, CRUSHPROOF.

PRODUCTS SPECIFICATIONS

ARCHÈ ENDURANCE

- Continuous fiber sails, 100% Endumax/Polyethylene
- Polyester scrim
- Patented vacuum pressure, resin-less high temperature lamination
- Anti UV films
- Taffetas treated against mould
- Reinforcement structures and battens are integrated in the lamination process
- Dry fibers, no resin or glue are used
- Film-on-film and Single sided taffeta available
- Taffeta colour: white

MAIN USES: Recommended for cruising and club racing on yachts up to 40 feet.

ARCHÈ TECHNORA / BLACK ARAMIDIC

- Continuous fiber sails, 100% Black Technora or Black Aramidic yarns
- Polyester scrim
- Patented vacuum pressure, resin-less high temperature lamination
- Anti UV films
- Taffetas treated against mould
- Reinforcement structures and battens are integrated in the lamination process
- Dry fibers, no resin or glue are used
- Film-on-film available - options Single or Double sided taffeta are available
- Taffeta colour: white

MAIN USES: Recommended for high performance yachts for both cruising and racing.
Suitable for yachts up to 80 feet.

ARCHÈ CARBON

- Continuous fiber sails, 100% Carbon yarns
- Aramidic scrim
- Patented vacuum pressure, resin-less high temperature lamination
- Anti UV films
- Transparent films
- Taffetas treated against mould
- Reinforcement structures and battens are integrated in the lamination process
- Dry fibers, no resin or glue are used
- Film-on-film and Double sided taffeta available.
- Taffeta colours: white and ecru

MAIN USES: Recommended for Grand Prix programmes and for Mega Yachts, for both cruising and racing.

NEW: ARCHÈ BLACK HM CARBON

- Black film 100% protected from UV and abrasion
- Layout in high modulus Carbon fibers

MAIN USES: Recommended for Grand Prix programmes and high performance cruising yachts up to 80 feet.



OUR OFFER

- **A 100% MADE IN ITALY EXCLUSIVE PRODUCT, CONTINUOUSLY DEVELOPED BY A TECHNICAL STAFF WITH FORTY YEARS' SAILMAKING EXPERIENCE**
- **PATENTED VACUUM PRESSURE, RESIN-LESS HIGH TEMPERATURE LAMINATION**
- **NO SAIL SIZE LIMIT: FROM 20-FOOTERS TO SUPERMAXI YACHTS**
- **EFFICIENT AND FLEXIBLE PRODUCTION FACILITIES ENSURE SHORT LEAD TIMES, WITH THE GOAL TO COMPLETE ORDERS WITHIN 15 WORKING DAYS AFTER RECEPTION, ALL YEAR ROUND**
- **3 YEARS WARRANTY AGAINST DELAMINATION***

*** CONDITIONS APPLY: SEE SEPARATE WARRANTY DOCUMENT**

OUR CUSTOMERS

"WE HAVE BEEN USING MILLENIUM® SAILS OVER THE PAST 5 YEARS FINDING A PERFECT FIT OF QUALITY, PERFORMANCE AND PRICE. WE CONSIDER THE USAGE OF OUR SAILS AS BEING HIGH AS WE USUALLY START OUR SEASON QUITE EARLY AND FINISH THEM VERY LATE [MARCH – OCTOBER]. WE USUALLY SAIL AROUND 8,000 NM PER SUMMER IN THE ADRIATIC TO AEGEAN SEAS WHERE WE USE THE SAILS IN SITUATIONS SLIGHTLY OUT OF THE NORM, WITHOUT ANY SAIL FAILURE AS TO DATE. I WOULD LIKE TO THANK THE ENTIRE MILLENIUM TEAM FOR ALL OF THE AFTERMARKET SUPPORT WHICH THEY HAVE GIVING ME OVER THE YEARS. WETHER IT IS A PROBLEM WITH A RE-ENFORCED AREA OR A REPAIR NEEDED ON IN AN URGENT SITUATION THE MILLENIUM TEAM HAVE ALWAYS BEEN AVAILABLE AND WILLING TO HELP US OUT WHEREVER WE ARE."

GERALD READ

CAPTAIN OF THE SOUTHERN WIND 100 "SY MRS SEVEN"

"AS OWNER AND SAILOR BOTH OF RACING AND CRUISING YACHTS, DURING THE LAST 20 YEARS MILLENIUM® HAS BEEN TAKING CARE OF ME WITH GREAT EXPERIENCE, KNOWLEDGE, DEVOTION AND ALSO WITH AFFECTION. MILLENIUM TEAM ALWAYS SHOWED GREAT INTEREST IN INNOVATION TO REACH THE BEST QUALITY AT COMPETITIVE COSTS."

GUIDOPAULO GAMUCCI

OWNER OF THE COOKSON 50 "CIPPA LIPPA 8"

"I HAVE BEEN USING MILLENIUM® SAILS SINCE THE VERY BEGINNING, MANY YEARS AGO. WHAT HAS ALWAYS IMPRESSED ME WITH THESE PEOPLE IS HOW THEY CONTINUOUSLY MANAGE TO BE AT THE LEADING EDGE OF INNOVATION!"

GIANPAOLO PAVESI

OWNER OF THE X-41 "LE COQ HARDI"

"WHAT HAS IMPRESSED ME WITH MY MILLENIUM® MONOLITHIC SAILS ARE THE HIGH PERFORMANCE, THE LIGHTNESS AND THE EASY HANDLING. I FOUND THE MILLENIUM TEAM VERY COMPETENT AND THEY PROPOSED ME AN EXCLUSIVE PRODUCT FIT FOR MY REQUIREMENTS: HIGH PERFORMANCE SAILS THAT ARE SUITABLE FOR A FAST CRUISING YACHT LIKE CASTIGO."

MATTEO ULIASSI

OWNER OF THE BALTIC 65 "CASTIGO"

THE MILLENIUM TECHNOLOGY CENTER

THE MILLENIUM TECHNOLOGY CENTER WAS ESTABLISHED IN FLORENCE IN 1981,

WHERE IT IS STILL PRESENT TODAY WITH ITS OWN PRODUCTION SITES.

**THE MANUFACTURING OF MILLENIUM® ARCHÈ IS EXCLUSIVELY MADE IN ITALY
AND TAKES PLACE IN THE FLORENCE FACILITIES, WITH SPECIAL HIGH-TECHNOLOGY MACHINERIES.**

**WITH OVER 4,000 SQUARE METERS OF WORKING AREA AND 40,000 SQUARE METERS
OF HIGH MODULUS SAILS BUILT EVERY YEAR, THE CENTER IS THE LARGEST FACILITY IN ITALY.**

**WITH FORTY YEARS' HERITAGE IN SAILMAKING
AND THE PIONEERING IN RESEARCH AND DEVELOPMENT OF ONE-PIECE LAMINATION SINCE YEAR 2000,
THE CENTER STILL CONTRIBUTES TODAY TO WRITING THE HISTORY OF SAILMAKING.**

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