

Monti & Barabino

Technical Supplies for
Industrial and Naval field
since 1880



**SPECIAL TEXTILES
AND TAPES**



Monti & Barabino, established in 1880, is based in Genoa and operates in the field of Technical Items supplies for the Industrial and Maritime Sectors.

The extremely wide experience matured in more than 135 years of activity and its highly qualified personnel composed by technicians, marine engineers, naval architects etc., enables the Company to offer the most complete and efficient technical and commercial assistance.

Moreover, the products stocked in its large warehouse allows it to promptly satisfy any kind of enquiry, while its workshop is able to manufacture all types of packings and gaskets comprising the moulding of rubber and elastomer of various types, including silicon, Fluoropolymer, Polyurethane, etc.

Since February 2004, Monti & Barabino S.p.A. improved its Quality Management System in accordance with **UNI EN ISO 9001** regulations, obtaining the certification through **R.I.N.A.** This prestigious acknowledgement is a confirmation of our constant effort in offering excellent quality and service to all those Customers who have chosen and will choose our Company as their supplier.



Our workshop, acting as  Official distributor, is able to offer:

- FLEXIBLE HOSES FOR LOW, MEDIUM AND VERY HIGH PRESSURE
- MED APPROVED FLEXIBLE HOSES
- TYPE APPROVED SHIP TO SHORE AND INDUSTRIAL COMPOSITE HOSES
- HIGH PRESSURE STEAM HOSES
- HIGH PRESSURE CLEANING HOSES
- RUBBER, STAINLESS STEEL AND TEXTILE EXPANSION JOINTS

Moreover:

- HYDRAULIC TEST FACILITIES
- MANAGEMENT OF TESTING PROCEDURES IN PRESENCE OF CLASSIFICATION BODIES
- PRESSED FITTINGS ON LARGE BORE RUBBER HOSES UP TO 10"

MECHANICAL WORKSHOP and **PIPE WORKSHOP** are available for the execution of customized processes on our semi-finished products. Thanks to the wide availability of **WAREHOUSE** we are able to satisfy your needs in a short time, organizing and managing your shipments in a very short time.

We perform CNC turning and cutting on rubber and metal semi-finished products; we mold details and rubber gaskets.



We produce gaskets in any material, even according to Customer's design, including padded copper and spiral wound gaskets.

We sew and assemble insulating mats and textile joints: wide choice of fabrics for high temperatures.



Laser marking of finished products and components

We are an authorized **Parker** assembling center, hydraulic hoses up to 3" and industrial hoses up to 10".
Ask for our **FLEXIBLE HOSES** and **ACCESSORIES CATALOG**



Approved welders able to manufacture special fittings according to Customer's specifications.

We perform internal hydrostatic tests, also in the presence of an external Certifying Body.



DRY CARGO® - HATCH SEALING TAPES



GENERALITY

According to rules and regulations, metal hatch covers on cargo vessels are expected to be water-tight without the aid of further appliances. **DRY CARGO®** sealing tape offers a valid and effective solution to problems of hatches sealing.

It is produced in 20mtr rolls of bitumen compound coated onto polythene film and interleaved with release paper, expressly designed to avoid any possible infiltration.

- 1) The joint should be brushed clean, taking care to remove the paint or metal particles. In cold conditions the tape should be stored in a heated area immediatly before use.
- 2) Unroll the tape along the joint and cut it to the necessary length. Remove the interleaving paper.
- 3) Press the adhesive surface over the joint, covering for at least 25 mm the two sides of the seam.
- 4) To remove, simply scrape off.

COMMERCIAL SIZES

DRY CARGO® is available in two distinct grades **Heavy Duty (HD)** and **Standard Duty (SD)**

| STANDARD DUTY | | | |
|---------------|---------|---------|----------|
| Cod | mm | Qty | ISSA |
| 8825.0110 | 100x1,6 | 3 rolls | 23 24 52 |
| 8825.0160 | 150x1,6 | 2 rolls | 23 24 53 |



ANTI-CORROSION TAPE



GENERALITY

The anti corrosion tape has been developed for long term protection of metal surfaces that are underground, underwater, or exposed - even in the most severe environments. Consisting of a cold applied tape of petrolatum-based product, it adheres to surfaces without heating, even on damp and/or indifferently prepared areas.

FEATURES

- Repels water, salt, alkalis and acids.
- Protects new or corroded surfaces.
- Temperature variances between -40°C to +84°C.
- Will not crack, peel or harden.
- Non-toxic and environmentally friendly.

| Width | Length | ISSA |
|-------------|------------|----------|
| 50 mm (2") | 36 x 10 mt | 81 24 71 |
| 100 mm (4") | 18 x 10 mt | 81 24 72 |

APPLICATIONS

Steel pipes, flanges and valves, welded pipe joints, cooling tower piping, pipe crossings, tank bases, pipe & sprinkler systems, electrical connection boxes, cable splices, hydraulic pipes, valves & fittings, marine pilings.

Before applying the tape, the surface should be brushed clean, taking care to remove the paint or metal particles.



PTFE / FIBERGLASS FABRICS

GENERALITY

Glass fibers woven fabrics impregnated with polytetrafluoroethylene (PTFE). This composite material combines the chemical and physical properties of PTFE and the dimensional stability and the mechanical strength of glass fibers fabrics. Available the normal (A) and adhesive version (AP).



FEATURES

- highly anti-adhesive surface and extremely low coefficient of friction.
- wide thermal resistance: from - 260 up to + 260 °C normal version / -55 / +200°C adhesive version.
- non toxicity/food contact compatibility, fungus, mildew and bacterial attack resistance, transparency to microwaves and UV rays, excellent chemical inertness.
- high mechanical resistance, dimensional stability, low thermal expansion and high dielectric strength.

MAIN APPLICATIONS

Food industry for lining of cooking and drying vessels, anti-adhesive linings of bakery and confectionery products, pre-cooked meals, anti-stick surfaces for frozen food production, conveying and sliding tables.

Packaging and packing for covering of heated plates and bars for welding of plastic bags and containers, belts for automatic packaging and packing lines.

Textile and paper for covering of rollers, idle rollers plates of thermoforming presses.

Electrics and electronics for insulating wrappings of electrical motors, generators, bobbins, cables, conductors, resistors, switches, etc.

COMMERCIAL SIZES

Available in a wide range of types and qualities depending on the level of PTFE impregnation and the required surface finish, as well as on the type of base fabric used, in rolls of 1.000 mm of height or 50 mm of width rolls. A self-adhesive version is also available. The standard length is 30 mt but customized sizes of tapes can be manufactured.



COATED FABRICS FOR DIAPHRAGMS

| <i>Coated fabrics</i> | <i>U.M.</i> | <i>Required values</i> | <i>Test method</i> |
|--------------------------|-------------------|------------------------|--------------------|
| Thickness | mm | 0,8 ± 0,05 | UNI EN ISO 2286-3 |
| Weight | g/cm ² | 900 ± 10% | UNI EN ISO 2286-2 |
| Tensile strenght warp | N/5 cm | ≥ 2500 | UNI EN ISO 1421 |
| Tensile strenght weft | N/5 cm | ≥ 2500 | UNI EN ISO 1421 |
| Elongation at break warp | % | ≥ 40 | UNI EN ISO 1421 |
| Elongation at break weft | % | ≥ 40 | UNI EN ISO 1421 |
| Adhesion | N/cm | ≥ 10 | |
| Temperature Range | °C | -30° / +90 | |
| Finish | | Smooth | |
| Curing | | Cured | |

| <i>Raw fabric</i> | <i>U.M.</i> | <i>Required values</i> | <i>Test method</i> |
|-------------------|------------------|------------------------|--------------------|
| Fabric | | Nylon | |
| Weight | g/m ² | 170 ± 5 | UNI 5114 |
| Thickness | mm | 0,35 ± 0,02 | UNI EN ISO 5084 |
| N° of threads | | 17x17 | |

| <i>Compound</i> | <i>U.M.</i> | <i>Required values</i> | <i>Test method</i> |
|-----------------|-------------------|------------------------|--------------------|
| Elastomer | | NBR | |
| Specific Weight | g/cm ³ | 1,38 ± 0,05 | UNI 4814 - 4 |
| Hardness | ° Sh A | 70 ± 5 | UNI EN ISO 868 |
| Colour | | Red | |



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