







Why use Italmatic roll coverings

For over 25 years, Italmatic has been manufacturing and marketing rubber, polyurethane, ceramic and composite covers for the most different fields of application from the paper industry, to converting industry, to textile, plastics, tanning, steel and to other sectors.



Our covers are the result of continuous research and development aimed to offer to the market the best available product and above all advanced products together with a unique service.

We are able to develop specific compounds for the individual needs of our customers using only the best raw materials available on the market. Our technical department is at your complete disposal to satisfy your most sophisticated needs.

ITALMATIC ROLL COVERING MEANS:

QUALITY our roll coverings are produced with the highest standards using technological advanced machinery developed by our technical department and using the best raw material available on the market.

RELIABILITY all our roll coverings before being delivered to the customer are subjected to the strictest controls according to the most used standards in the field of roll coverings. Each roll covering is accompanied if requested by the customer of his quality certificate.

SERVICE thanks to a very well organized production, we are able to guarantee the best delivery terms. Italmatic is also able to offer you a grinding service as well as mechanical assistance on your rolls.

COMPANY SERIOUSNESS a team of experts and specialists whose sole objective is the complete satisfaction of his customers has managed Italmatic since from his establishment.

AT THIS POINT, WE HOPE YOU CONTACT US FOR YOUR NEEDS THAT WE GUARANTEE WILL RECEIVE OUR BEST ATTENTION.





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Roll coverings for paper and converting industry

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italmatic



Technical data sheet for paper and roll converting

| Cover type | Hardness | Color |
|---|------------|-----------------------------|
| ASTERION temperature resistance up to 110° C – thickness 10 to 12 mm – outstanding improved wearing and, good chemical resistance to the product normally used in paper mill. Excellent dimensional and hardness stability. Exceptional resistance to shocks and impacts. Possibility to drill and grooving for a use in felted positions. Suitable for shoe press application. | 89-91 Sh.D | light grey or light blue |
| CRESSWEAR temperature resistance up to 90° C – thickness 20 to 50 mm – good mechanical properties and wearing resistance. Very high elasticity modulus. Good chemical resistance to the products normally used in paper mill. | 25-120 P+J | light brown |
| DIAMOND temperature resistance up to 90° C – thickness 5 to 12 mm – excellent resistance to abrasion and to the chemical products normally used in paper mill. Good surface quality. It's possible to use doctor blade without damaging the surface of the cover. | 0-2 P&J | grey |
| DIAMOND S temperature resistance up to 100° C – thickness 5 to 12 mm – very hard covering for wire and felt rolls with an excellent abrasion resistance. Good chemical resistance to the product normally used in paper mill. Especially designed for doctor blade use. | 0-1 P+J | black |
| DRILLWEAR temperature resistance up to 100° C – thickness 15 to 25 mm – Rubber covering with very high mechanical properties for drilling application. Is able to keep for long time the original drill surface profile. Excellent bonding ideal for high load application. Good chemical resistance to hydrocarbon, acids and bases. | 5-60 P+J | black |
| DRIVEWIRE temperature resistance up to 100° C – thickness 10 up to 25 mm – High wearing resistance and good chemical properties to the product normally used in paper mill. Exceptional good friction coefficient that avoid slippage of wire with high life increase. | 5-30 P+J | black |
| FEBOROLL temperature resistance up to 100° C - thickness 10 to 25 mm – Polyurethane cover. Excellent elastic modulus with very high resistance to cuts and tear. Superior resistance to abrasion that guaranty an excellent dimensional and hardness stability. These properties guaranty a perfect and constant distribution of the glue and coatings. Excellent chemical resistance to the product normally used in converting included perfumes. | 58-70 Sh-A | yellow |
| GROOVEROCK temperature resistance up to 80° C – thickness 10 to 20 mm – excellent groove closure even at high load and high speed. Good resistance to abrasion and to the chemical products normally used in paper mill. | 5-20 P+J | black |
| GROOVEROCK S temperature resistance up to 80° C – thickness 7 to 20 mm – good mechanical resistance. Easy to groove with different profiles, chevron and similar. Good chemical resistance. | 5-15 P+J | black |
| GUIDEWEAR temperature resistance up to 80° C – thickness 10 to 20 mm – antistatic rubber cover with very good mechanical properties. Suggested for guide paper roll and drive paper roll. | 30-85 P+J | black |
| HARDROCK temperature resistance up to 90° C – thickness 12,5 to 20 mm (standard 15 mm) – high quality cover for top press and center press. Good dimensional stability also at high temperature and high release properties. Very good chemical resistance to the product normally used in paper mill. Easy of doctoring. | 0-1 P+J | brown |
| HARDWEAR temperature resistance up to 90° C – thickness 12,5 to 20 mm – Especially designed for size press application. Excellent thermal resistance and high abrasion resistance. Excellent and uniform paper sheet release properties. | 0-1 P+J | light brown |
| HYPERFLEX temperature resistance up to 130° C – thickness 15 to 25 mm – double layer rubber cover technology. Very high elasticity modulus with very low hysteresis. Excellent resistance to cut and tearing. Low surface temperature. Ideal for any kind of embossing pattern. | 45-70 Sh.A | Blue/Fucsia |
| HYPERMASTER temperature resistance up to 90° C. – thickness 5 to 20 mm (suggested max 15 mm) – Polyurethane cover with very high hardness and superior mechanical resistance. Very compact surface able to keep the surface itself very clean. Excellent chemical resistance. Possibility to have double layers with different hardness. | 60-72 Sh.D | white |
| HYPERWEAR temperature resistance up to 140° C – thickness 15 to 25 mm – Superior rubber quality cover with very high mechanical properties and excellent resistance to cut and tearing. Very high dimensional stability also at high temperature. Especially designed for backing roll and film presses. | 15-80 P+J | light blue |
| ITALCOUCH temperature resistance up to 90° C – thickness 20 to 50 mm – rubber cover for lumbreaker rolls. Excellent resistance to chemicals used in this application with good mechanical properties. High release properties with very clean surface. | 50-220 P+J | black |

| Cover type | Hardness | Color |
|---|------------|--------------------|
| ITALGLOSS temperature resistance up to 130° C – thickness 15 to 25 mm – High thermal resistance with very good dimensional and hardness stability. Good wearing and chemical resistance. Specially developed for offset application and for presses in direct contact with the paper sheet. | 8-30 P+J | black |
| ITALROCK temperature resistance up to 180° C - thickness 0,15 mm - Ceramic roll cover specially designed for wire and felt application. Exceptional wearing resistance. Good impact resistance. It's possible to repair small damages. Exceptional release. It's possible to use doctor blades. Roughness 1,0 Ra. | 1250 HV | dark grey |
| MACHROLL temperature resistance up to 100° C – thickness 10 to 25 mm – Good mechanical resistance to wearing and cuts. Good resistance to alcohol and aliphatic solvents. Low resistance to chetons and to aromatic solvents. Possibility to have double layer with different hardness. | 90-98 Sh.A | black |
| MASTERCOLL temperature resistance up to 100° C – thickness 10 to 25 mm – Rubber cover with good elastic modulus and abrasion resistance. Good dimensional and hardness stability even for long time. Good surface characteristic for a perfect glue and coatings distribution | 50-70 Sh.A | black |
| MASTERROLL temperature resistance up to 90° C – thickness 10 to 25 mm – Polyurethane cover for married roll application. Excellent resistance to abrasion, to cuts and tearing. Good chemical resistance to the products normally used in these applications. Jery compact surface able to keep the surface itself very clean. Possibility to have double layers with different hardness. | 90-97 Sh.A | blue/white |
| POLYDRILL temperature resistance up to 80° C – thickness 15 to 25 mm – New design superior polyurethane cover with excellent abrasion resistance, tears and cuts. Suitable for running with high speed and load with an exceptional dimensional and hardness stability. Very low hysteresis that allow it to run without inside water-cooling. Different surface design, plane, blind drilled, suction drilled, grooved or combined. | 5- 35 P+J | green or purple |
| POLYROOL temperature resistance up to 80° C - thickness 5 to 25 mm - Polyurethane roll cover specially designed for reel spools and guide rolls. Exceptional wearing resistance, cut and tearing resistance. Good chemical resistance to the products normally used in paper mill. | 10-30 P+J | blue |
| PRESSROLL temperature resistance up to 100° C – thickness 10 to 25 mm – Rubber cover designed for married roll application. Very good wearing resistance and dimensional stability. Good chemical resistance. Possibility to have double layers with different hardness. It's possible to have also in a white color with the name "ICEROLL" | 90-98 Sh.A | black |
| ROLLING temperature resistance up to 80° C – thickness 10 to 30 mm – Reinforced, antistatic rubber cover specially designed for reel spools applications. Very good wearing resistance, to cuts and tearing. Good chemical resistance. | 20-70 P+J | black |
| SOFTMATE temperature resistance up to 100° C – thickness 15 to 25 mm – Good wearing resistance and good elasticity modulus. Very compact surface ideal for coatings. Excellent chemical resistance to the products normally used in paper coatings. Good ageing resistance. | 15-70 P+J | green |
| SOFTPRESS temperature resistance up to 100° C – thickness 10 to 30 mm – Good mechanical properties, good resistance to abrasion, cutting and tearing. Keep the same hardness even in presence of high temperature. Very good surface dimensions stability. Good resistance to acids and hydrocarbons. | 5-100 P+J | black |
| SOFTWEAR temperature resistance up to 100° C – thickness 10 to 30 mm – Good mechanical properties, good abrasion resistance. Excellent temperature resistance with very good surface dimension stability. Good elasticity modulus. Excellent resistance to the chemicals normally used in size press. Excellent sheet release. | 5-50 P+J | black |
| SUPERMASTER temperature resistance up to 80° C – thickness 5 to 15 mm – Extremely very hard cover but with residual elasticity. Very stable surface dimensions and hardness. Excellent mechanical resistance. Very compact surface and easy to clean. Excellent chemical resistance. It's possible to have with double layers with different harnesses. | 98 Sh.A | white |
| TENAXFLEX temperature resistance up to 90° C – thickness 10 to 25 mm – Good abrasion resistance, good elasticity modulus that allow to obtain good embossing results on the paper. Low hysteresis. Good chemical resistance. | 45-70 Sh.A | grey |
| TENAXFLEX-XL temperature resistance up to 90° C – thickness 10 to 25 mm – Improved abrasion resistance, good elasticity modulus that allow to obtain good embossing results on the paper. Very low hysteresis and low hardering of the cover. Long interval between the grindins. | 45-70 Sh.A | light blue |
| ZEFIRO temperature resistance up to 160° C with a max delta of 10° C every 50 mm - thickness 10 to 15 mm - Outstanding improved wear resistance even at very high load and speed. Reduced risk of barring and high impact resistance. Optimal dynamic modulus. Very smooth surface. Specially design for soft calander and support and support of the property of the proper | 88-91 Sh.D | straw yellow |

Applications

| | | FORMING SECTION | | | | | | PRESS SECTION | | | | | | | | COATING/SIZE AND FILM PRESS SECTIONS | | | | | | CALANDERING REEL SECTIONS | | | | | | TISSUE CONVERTING | | | |
|------------------------|---------------|-----------------|-----------------|------------|-------------|----------------------------|---------------|---------------|------------|---------------|-------------|-------------------|------------------|------------|------------------|--------------------------------------|-----------------|------------|-------------|--------------|---------------|---------------------------|-----------------|-------------|------------------|--------------|------------------|-------------------|----------------|--------------|--|
| italmatic° compound | Thickner roll | Guide wire roll | Guide felt roll | Drive roll | Breast roll | Grooved guide felt roll | Creping press | Hard press | Soft press | Grooved press | Drill press | Soft offset press | Lumbreaker press | Couch roll | Guide paper roll | Soft size press | Hard size press | Film press | Splace roll | BAcking roll | Soft-calander | Supercalander | Rell spool roll | Winder roll | Winder king roll | Slitter roll | Cliché glue roll | Glue roll | Embossing roll | Married roll | |
| ASTERION | | | | | | | | | | | | | _ | | | . | | | | | • | | _ | | | _ | | | | | |
| CRESSWEAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIAMOND | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIAMOND S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRILLWEAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRIVEWIRE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEBOROLL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GROOVEROCK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GROOVEROCK-S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GUIDEWEAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HARDROCK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HARDWEAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HYPERFLEX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HYPERMASTER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HYPERWEAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ITALCOUCH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ITALGLOSS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ITALROCK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MACHROLL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MASTERCOLL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MASTERROLL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| POLYDRILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| POLYROLL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRESSROLL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROLLING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOFTMATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOFTPRESS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOFTWEAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUPERMASTER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TENAXFLEX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TENAXFEX-XL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZEFIRO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |