

*for the best surface...*



MARPOL Co.  
is a Distributor of  
PACO Abrasives

[www.marpol.com.tr](http://www.marpol.com.tr)



## **Why choose Marpol Co.?**

Marpol Co is a family-owned and operated business for over 39 years.

We are not a corporate conglomerate but a family that has dedicated its lives to the metal industry. Marpol Co. is a corporation that knows the polishing business well. Marpol Co. exports its products to more than 150 customers in 30 countries worldwide.

### **You are very important for us**

Marpol Co. has grown since our beginning in 1970 through our quality products and service, customer loyalty, and acquisitions. We have several manufacturing facilities to serve you better. Marpol Co. is large enough to meet your every finishing need economically and also professional enough to know, care and react to customers' urgent needs on time.

### **Your Business is Important for us**

Everyone at Marpol Co. takes your business seriously. We are constantly upgrading our systems, procedures, and equipments. With our modern facilities, we are large enough to take care of your volume needs, and yet small enough to react to your rush requirements. We have now a fully computerized production control bar-coding tracking system to monitor and track your order. Marpol's pursuit of quality and service is never ending.

### **Single Supplier Source**

From "Start to Finish", Marpol Co. manufactures virtually every finishing product your company needs. Let us be your one-stop shop. Unlike many other suppliers in the metal finishing industry, as some manufacture only compound and others manufacture buffs, we are a leading manufacturer to manufacture a full and comprehensive line of finishing products including buffs, compounds, abrasive flap wheels, abrasive belts, polishing wheels and non-woven flap wheels. Choosing Marpol as your single supplier source means that you will have economic benefits by reducing your vendor base and save the money associated with processing costs.

### **Reduce your Costs**

Extend the life of your buffs up to 30% by choosing our special buffs. These buffs customized to your requirements, save you on our cost per work piece with their extended lives, and with less down time due to fewer buff head changes.

### **Our Partnership Program**

We would like to establish a long term cooperation with you. Our program meets all for your needs. With our 39 years of experience let us help you with your finishing applications. Call Marpol's office and talk to our sales representatives to find out the details.

**THINK BRIGHT...**



LIQUID POLISHING COMPOUNDS

For our very wide range of polishing compounds we are using the highest quality of abrasives such as aluminum oxide, corundum, emery or tripoli. Our polishing compounds are suitable for polishing of all surfaces such as stainless steel, aluminum, brass, alloys, iron and also for other special fields of application, for example, plastic, jewelry, etc. The strong emulsions of the compounds and the quality of the production process guarantee the longest possible life of the compound itself without separation between the heavy and the light particles.

### Advantages of Liquid Compounds

- Degreasing without problems
- Low consumption provides an economical use
- High cooling effect ensures longer life of the buffs
- Holding on the buff strongly provides a better polishing quality
- Less polishing time helps to increase efficiency
- Wide range helps to find the best surface solution



### Liquid polishing compound range with applications

#### FOR STAINLESS STEEL

Article Number	Polishing step	Colour	Grain Hardness	Cut	Gloss
Marpol 8008	Grinding / Matting	Grey	10	9	1
Marpol 5000	Grinding / Matting	Grey	9	9	2
Marpol 1636	Prepolishing	Red	8	8	3
Marpol 1045	Prepolishing	Beige	8	8	3
Marpol 1036	Prepolishing	Yellow	8	7	3
Marpol 1035	Prepolishing	Yellow	8	7	3
Marpol 1545	Prepolishing	Yellow	8	7	3
Marpol 5066	Prepolishing	White	7	7	3
Marpol 1670	Prepolishing	Yellow	7	7	3
Marpol 1601	Prepolishing	Yellow	6	6	4
Marpol 9220	Prepolishing	White	5	5	5
Marpol 8060	Finish	White	2	2	8
Marpol 8041	Finish	Blue	2	2	9
Marpol 8042	Finish	Pink	2	2	9
Marpol 1304	Finish	Blue	2	2	9
Marpol 8053	Finish	Red	2	2	9
Marpol 8012	Finish	Blue	2	2	9
Marpol 8112	Finish	Blue	1	1	9
Marpol 1001	Finish	Blue	1	1	10
Marpol 8300	Finish	White	1	1	10
Marpol 8083	Finish	Blue	1	1	10
Marpol 8085	Finish	Blue	1	1	10

Grain Hardness, Deduction, Gloss; 1= Low, 10 = High

## FOR NON-FERROUS METALS

Article Number	Polishing step	Colour	Grain Hardness	Cut	Gloss
Marpol 7744	Prepolishing	Brown	8	8	4
Marpol 7723	Prepolishing	Brown	8	8	5
Marpol 7701	Prepolishing	Brown	7	8	4
Marpol 7500	Prepolishing	Brown	6	7	5
Marpol 8060	Finish	White	2	2	9
Marpol 8012	Finish	Blue	2	2	9
Marpol 8112	Finish	Blue	1	1	9
Marpol 8300	Finish	White	1	1	10

Grain Hardness, Deduction, Gloss; 1= Low, 10 = High

## FOR ALUMINUM

Article Number	Polishing step	Colour	Grain Hardness	Cut	Gloss
Marpol 8008	Grinding / Matting	Grey	9	9	1
Marpol 9049	Prepolishing	White	8	8	5
Marpol 9001	Prepolishing	White	8	8	5
Marpol 9220	Prepolishing	White	6	6	6
Marpol 9320	Prepolishing	Yellow	4	4	7
Marpol 9690	Finish	Yellow	5	3	8
Mayer 601	Finish	Blue	2	2	8
Marpol 8300	Finish	White	1	1	10

Grain Hardness, Deduction, Gloss; 1= Low, 10 = High

Liquid polishing compound production technologies and consumption conditions are more complicated than those of solid compounds.

There are lots of factors to be taken into consideration during the production process and at the end product. These factors need to be optimized. On the contrary, below mentioned problems occur and customer dissatisfaction comes together.

### Low Viscosity

In case of low viscosity the liquid compound consumption increases by 25% - 35%. Liquid compound can't hold on the buff and thus the buff remains dry. Liquid compound drops down from the spray guns. In case of low viscosity, Liquid compound separates and the compound can't be used anymore. Even if it is mixed very well the desired result can't be obtained.

### Too high viscosity

In case of too high viscosity, the compound can't move freely in the transmission channels and the spray guns can't feed the buffs efficiently. Therefore, viscosity optimization is a must. Keeping the viscosity at optimum levels needs experience and expertise.



## Inability in Obtaining The Homogeneity

During the production process obtaining homogeneity is a must. Unfit particle sizes of raw materials that are used in the production of liquid compound might cause clogging of the spray guns. Besides, the lubricants that constitute the liquid compound must be chosen correctly. The perfect homogeneity can only be achieved through selection of the chemicals that constitute the liquid compound according to the correct parameters and through processing these chemicals properly. In the liquid compound usage, the other factors that should be taken into account are choosing the right spray guns and using them with correct angles. The distances between the buffs and the spray guns and spray gun pressures are also important factors. Inability in choosing



the revolution speed of the buffs is a frequently encountered problem in the sector. In case of disregarding this matter many problems arises during and after the polishing process. These problems are listed as following.

- If the revolution speed of the buffs is too high, accordingly the liquid compound can't hold on the buffs and it is scattered around. In this situation the consumption rate increases by 15% - 35%.
- Due to the high speed of the buffs, the compound can not hold on the buffs and thus the buff consumption rate increases excessively and ignition risk of the buffs arises. Accordingly the polishing quality declines. Buff scratches are seen on the surface.

Buff revolution speeds are indicated on a chart on the last page of this catalogue.

## Packaing Information

### Cartons



<b>Volume</b>	35 litres
<b>Net-Weight</b>	40 kg.
<b>Height</b>	570 mm
<b>Length</b>	220 mm
<b>Width</b>	270 mm
<b>Usage</b>	non - returnable

### Barrel

60 litres
80 kg.

### Container



600 / 1000 litres
800 / 1.300 kg.
1.000 / 1.120 mm
1.150 / 1.170 mm
820 / 990 mm
returnable / non - returnable

## Application Systems

Fine tuning of polishing emulsions and application systems will guarantee quality and efficiency. Widoberg offers a wide range of high and low pressure spray guns as well as spare parts to keep your production going. Marpol Co. is a distributor of Widoberg.



WIDOBORG HDP 2



SOLID POLISHING COMPOUNDS

We have a wide range of solid compounds, as we do for the liquid compounds, in order to meet the various and different requirements for both manual and automatic use. The abrasives are aluminum oxide, corundum, tripoly, etc. all originating from well established and reliable manufacturers that are able to maintain a continuous high quality standard. We have developed a wide range of products for the polishing of stainless steel, aluminum, ferrous and non-ferrous metals, precious metals and other special applications.

Hereunder are the major reasons why there are so many different products in our solid polishing compound production program.

- Revisions in the customer's polishing process
- Product diversity
- The quality of the raw materials
- Variation of the intended surface quality
- Diversification of the intended colour at the final polishing  
"Blue effect, Yellow effect, Deep Black effect, etc.
- Human sense which is a subjective conception

### Solid polishing compound range with applications



### FOR STAINLESS STEEL

Article Number	Polishing step	Colour	Greasiness	Cut	Gloss
MARPOL 118	Grinding / Matting	Grey	5	10	1
MARPOL 113	Grinding / Matting	Grey	5	10	1
MARPOL 120	Prepolishing	Grey	5	10	1
MARPOL 131	Prepolishing	Grey	4	10	2
MARPOL 133	Prepolishing	Yellow	4	9	3
MARPOL 141	Prepolishing	White	4	9	3
MARPOL K50	Prepolishing	Yellow	3	9	4
MARPOL - Z	Prepolishing	Red	3	9	5
MARPOL K25	Prepolishing	Red	3	8	4
MARPOL 106	Prepolishing	Pink	2	8	6
MARPOL 108	Prepolishing	Yellow	2	7	6
MARPOL 109	Prepolishing	Green	2	7	5
MAYER	Prepolishing	Red	2	7	5
EUROLUX / GR	Finish	Green	2	2	10
MARPOL 262	Finish	Blue	1	1	10
MARPOL 264	Finish	Green	1	1	10
MARPOL 271	Finish	White	1	1	10
HIGHFIN	Finish	White	2	2	10
FINESTEEL	Finish	Blue	2	2	9
EUROLUX / WH	Finish	White	2	2	9
MARPOL 261	Finish	Blue	2	2	9
MARPOL 290 A	Finish	Green	2	2	9
MARPOL 217	Finish	Blue	1	2	9
MARPOL 203 A	Finish	Pink	2	2	9
SUPERFIN	Finish	White	3	3	9
EUROPOL	Finish	Blue	3	4	9
MARPOL / BL	Finish	Blue	3	5	8
MAYER 201	Finish	Blue	3	4	9
MAYER 200	Finish	Blue	2	4	9
MARPOL / FOREX	Finish	White	2	2	9

Grain Hardness, Deduction, Gloss; 1= Low, 10 = High





## FOR NON-FERROUS METALS

Article Number	Polishing step	Colour	Greasiness	Cut	Gloss
MARPOL 322	Grinding / Matting	Grey	5	10	2
MAYER 301 EUROPE	Prepolishing	Brown	3	9	4
MARPOL 300 CRS	Prepolishing	Brown	3	9	4
MAYER EXTRA 302	Prepolishing	Brown	3	9	3
MAYER BTB 303	Prepolishing	Brown	2	8	3
EUROPOL / BRW	Prepolishing	Brown	3	9	3
MARPOL 106 / BRW	Prepolishing	Brown	4	9	2
DELUSTRA	Prepolishing	Brown	3	9	3
MARPOL 106	Prepolishing	Pink	2	9	4
MARPOL 262	Finish	Blue	1	1	10
MARPOL 290 A	Finish	Blue	1	2	10
MARPOL 261	Finish	Blue	2	2	9
MARPOL 203 A	Finish	Pink	2	2	9
MAYER 200	Finish	Blue	2	4	9
EUROPOL	Finish	Blue	3	4	9
EUROLUX / BRW	Finish	Brown	2	4	9

Grain Hardness, Deduction, Gloss; 1= Low, 10 = High



## FOR ALUMINUM

Article Number	Polishing step	Colour	Greasiness	Cut	Gloss
MARPOL 322	Grinding / Matting	Grey	5	10	2
MARPOL 441	Prepolishing	Grey	4	9	4
MARPOL 106	Prepolishing	Pink	2	9	6
MARPOL 444	Prepolishing	Pink	3	9	5
DELUSTRA	Prepolishing	Brown	3	9	3
MARPOL 408	Prepolishing	Yellow	3	9	3
MARPOL 262	Finish	Blue	1	1	10
MARPOL 203 A	Finish	Pink	2	2	9
MARPOL 581	Finish	Blue	2	2	9
EUROLUX / BRW	Finish	Brown	2	2	9

Grain Hardness, Deduction, Gloss; 1= Low, 10 = High



## FOR PLASTICS & WOOD

Article Number	Polishing step	Colour	Greasiness	Cut	Gloss
VOLAX	Prepolishing / Finish	Yellow	1	9	6
MARPOL PLASTIC	Prepolishing / Finish	Yellow	1	9	6
MARPOL 616	Finish	Pink	1	3	9
MARPOL 671 / GV	Finish	White	2	1	9

Grain Hardness, Deduction, Gloss; 1= Low, 10 = High



## STEEL / NON-FERROUS / ALUMINUM / PLASTICS

Article Number	Polishing step	Colour	Greasiness	Cut	Gloss
MARPOL TUBE POLISH	Prepolishing / Finish	White	2	4	10



JEWELRY POLISHING COMPOUNDS

Hereunder you can see Marpol's products intended for the jewelry sector which gain customers' acceptance and have been developed through Marpol's researches and developments in many years. Besides the products produced by ourselves you can also find here the ones which we sell and distribute.

### DIALUX GREEN / EUROLUX GREEN

This product, which is used in the jewelry sector, is made from high - purity oxides. It provides an extremely successful and an eye-catching glitter. Its performance in removing scratches and polishing is slightly better than that of the White compound. It is produced in 130 gr. and 1 Kg. packages.



### DIALUX WHITE / EUROLUX WHITE

This product, which is used in the jewelry sector, is made from high-purity oxides. It provides an extremely successful and an eye-catching glitter. It is produced in 130 gr. and 1 Kg. packages.

### DIALUX RED / EUROLUX RED

This product, which is used in the jewelry sector, is made from iron oxides. It is applied in the final polishing and gathers the polishing buff very well. It bears the the cutting effect along with the polishing feature. It is produced in 130 gr. and 1 Kg. packages.



### DIALUX BLUE / EUROLUX BLUE

This product, which is used in the jewelry sector, is made from high - purity oxides. It provides an extremely successful and an eye - catching glitter. It is greasy than the white compound. It is produced in 130 gr. and 1 Kg. packages.



## JEWELRY POLISHING COMPOUNDS

These products show extremely high performance for finishing and mirror finishing of the jewelry. It is appropriate for the firms that desire the surfaces to be very smooth. These products are more economical than the mini bar ones.

### MANZERO BLUE

This product, which is used in the jewelry sector, is made from high - purity oxides. It provides an extremely successful and an eye - catching glitter. It is greasy than the white compound. It is produced in 1-1,2 Kg. packages.



### MANZERO WHITE

This product, which is used in the jewelry sector, is made from high - purity oxides. It provides an extremely successful and an eye-catching glitter. It is produced in 1-1,2 Kg. packages.



### MANZERO RED

This product, which is used in the jewelry sector, is made from iron oxides. It is applied in the final polishing and gathers the polishing buff very well. It bears the cutting effect along with the polishing feature. It is produced in 1-1,2 Kg packages.



### MANZERO GREEN

This product, which is used in the jewelry sector, is made from high - purity oxides. It provides an extremely successful and an eye - catching glitter. Its cutting feature is higher than that of the blue and the white compound. It is produced in 1 - 1,2 Kg packages.



### MANZERO YELLOW

This product, which is used in the jewelry sector, is made from high - purity oxides. It provides an extremely successful and an eye - catching glitter. Its cutting feature is higher than that of the white and the blue compound. It is produced in 1 - 1,2 Kg packages.





## JEWELRY POLISHING COMPOUNDS

### ITALIANO

This product is used, especially in jewelry sector in smoothing the surfaces of jewelries made of gold, silver and the like, before final polishing. It is a soft product, also known as "Italian polish" in the market. It is the indispensable of jewelry sector in pre-polishing.



### PUMICE COMPOUND

This product is consumed quite popularly in the jewelry sector. It is very effective in eliminating the surface scratches before the final polishing. Due to the special lubricants inside the product, it provides a perfect hold on the buff. Because of this feature, it supports the pre-polishing.

### ARMATURE

This product provides very high performance in the nonferrous metals. Owing to the special oxides in its structure, it leaves the surface clean so that the operator can notice the state of the surface scratches with ease before the final polishing. Its oil rate is lower than that of pumice compound. At parallel, it provides brightness.



### EUROPOL

This product is used, especially in faucet and door handles sector at the same time it is used in jewelry sector for smoothing the surfaces of jewelries made of gold, silver and the like, before final polishing. It is the indispensable of jewelry sector in pre-polishing.

### TUBE CREAM COMPOUND

Besides its consumption in professional use, it is also a quite preferable product in amateur use. It provides an eye - catching brightness when it is applied manually with a damp piece of soft cotton fabric on gold, silver, ornamental articles as well as all metal and non - metal products. It is a highly preferred product for hobby kits.





## POLISHING BUFFS

MARPOL Co. polishing buffs are high class products of determined shape - even when they are small. MARPOL Co. product control is subject to rigorous standards; "Uncompromising" control criteria are applied to ensure an absolutely even quality, piece by piece, irrespective of production quantities. In addition to the ever reliable quality of MARPOL Co. polishing buffs you may expect increased productivity, minimized machine setup times and above average service lives. Purchasing MARPOL Co. products means making a profitable investment, because our polishing buffs worth more than their price. Our bias buffs are designed to meet the rigorous demands of automatic machinery operating at high speeds, with increased pressures.

The puckered and corrugated construction coupled with the design of the air - cooled ventilated metal center, (removable or permanent) creates jet - steam ventilation for uniform air-flow between the buffs assembled on the spindle. Air is drawn in through the metal center gaps and centrifugally forced between the sections and outward to the face, which helps overcome excessive heat build-up encountered in automatic buffing. Bias buffs are made in a variety of types to handle any job requirement from heavy, high production, cut-down to light coloring operation. These buffs work equally well for off - hand, semi - automatic and automatic operations. Our buffs may be used on ferrous, non-ferrous, precious metals or plastics. Our bias buffs run cooler, cut faster and endure longer than other types of wheels under high speed conditions. MARPOL Co. offers a comprehensive range of impregnation for cotton and sisal buffs.

Impregnation has developed through decades of experience and continues to be improved and extended to suit new materials and the ever-changing needs of the market. At all MARPOL Co. facilities impregnation is constantly subjected to strict quality control procedures.

## FOR STEEL / STAINLESS STEEL INDUSTRIES

### CORRUGATED SISAL BUFF

Special shape of corrugations gives resistance and ventilation to the buff, which is made of bias form of the sisal and cotton fibers. Bias technology avoids the fraying of the sisal cloth and obtains a longer life. The abrasiveness, life and consistency are improved by impregnations of various types. It is mainly used on automatic machines, mostly in stainless steel cookware industry. And it can be supplied with metal flanges or cardboard centre as per your requirements.



Outer Diameters : 300-500  
Number of Layers: 3 - 4  
Inner Diameter: 130-230  
Application : Automatic Polishing





## STITCHED SISAL DISC BUFF

It is a very universal and traditional buff, which is mainly used manually and on tapered spindles. The stitching is in spiral form or round form and in distances between 5 mm to 20 mm according to your requirement. The abrasiveness, life and consistency of the buff are improved by impregnations of various types. Triangle system at the inner layers obtains a longer life. When ordering, please always indicate whether you require pure sisal or a mixture of sisal and cotton.

**Outer Diameters :** 60-500    **Inner Diameter:** 5-80  
**Number of Layers:** 3 – 10    **Application :** Manual & Automatic Polishing

## STITCHED BIAS SISAL BUFF

It is made up of all-bias weave that avoids the fraying of the sisal cloth and provides a longer life. It is especially suitable for flat surfaces and mainly used in automatic applications. The abrasiveness, life and consistency of the buff are improved by impregnations of various types. When ordering, please always indicate whether you require pure sisal or a mixture of sisal and cotton. It can be supplied with metal flanges and card-board centre as per your requirements.



**Outer Diameters :** 250-500  
**Inner Diameter:** 80-230  
**Number of Layers:** 4 - 10  
**Application :** Automatic Polishing

## SISAL CORD BUFF

It is a special buff made of cord sisal, which is highly elastic and resistant. These features increase the life of this buff. It is mainly used for polishing highly complicated components. The life and consistency of the buff are improved by impregnations of various types. It can be supplied with car-board centre.



**Outer Diameters :** 300-450  
**Inner Diameter:** 110 - 180  
**Number of Layers:** 3 – 4  
**Application :** Automatic Polishing



## PLEATED COTTON BUFF

The special shape of the pleats gives ventilation and flexibility to this buff, which is made of bias form of cotton cloth. This buff is used almost exclusively on automatic machines for polishing and finishing of the shaped pieces. It is suitable for all kinds of metals by using suitable polishing compound. It can be supplied with special treated fabrics of various hardness levels.

**Outer Diameters :** 200-1000    **Number of Layers:** 12 - 24  
**Inner Diameter:** 8 - 60    **Application :** Manual & Automatic Polishing

## VENTILATED COTTON BUFF

The special shape of the airways gives ventilation to this buff, which is made of bias form of cotton cloth. Mainly used on both manual and automatic machines for treating aluminum and its alloys. It provides a high level of polishing. It can also be supplied with card-board center.



**Outer Diameters :** 60 - 800 **Number of Layers:** 8 - 22  
**Inner Diameter:** 19 - 230 **Application :** Automatic Polishing



## CORRUGATED COTTON BUFF

The special shape of the corrugations gives resistance and ventilation to the buff, which is made of bias form of cotton fabric. It is mainly used in the cookware industry, on automatic machines. It can be manufactured from special treated fabrics of different hardness. It can also be supplied with card-board center.

**Outer Diameters :** 300 - 450 **Number of Layers:** 8 - 20  
**Inner Diameter:** 130 - 230 **Application :** Automatic Polishing

## TAMPICO FIBER BRUSH

This brush is made of tampico fibers, which is highly elastic, but it is also quite aggressive. Bristle ends of the brush can be square or profiled. It is used for polishing sinks, hollowware and ice buckets.



## STITCHED COTTON BUFF

This buff can be used manually or automatically. It is especially the main buff of the robot polishing machines. Full disk or sectional type, this buff is supplied in the well-known quality and stitching. Only special high quality cotton fabrics are used to manufacture it. It can also be supplied with card-board center.

**Outer Diameters :** 60-1000 **Number of Layers:** 5 - 80  
**Inner Diameter:** 10 - 80 **Application :** Manual & Automatic Polishing

**FOR ALUMINUM & NON FERROUS INDUSTRIES**



**PLEATED COTTON BUFF**

The special shape of the pleats gives ventilation and flexibility to this buff, which is made of bias form of cotton cloth. This buff is used almost exclusively on automatic machines for polishing and finishing of the shaped pieces. It is suitable for all kinds of metals by using suitable compound *It is especially very popular for non-ferrous metals.* It can be supplied with special treated fabrics of various hardness levels.

**Outer Diameters :** 200-1000  
**Inner Diameter:** 8 - 60  
**Number of Layers:** 12- 24  
**Application :** Manual & Automatic Polishing

**VENTILATED COTTON / SCOTCH BUFF**

The special shape of the airways gives ventilation to this buff, which is made of bias form of cotton cloth. Mainly used on both manual and automatic machines for treating aluminum and its alloys. It provides a high level of polishing. *This buff is very popular in aluminum profile and door handle industries.* It can also be supplied with card-board center. Ventilated scotch buff is used to remove surface imperfections and to obtain a satin finishing. It is available in different hardness grades. It is very popular in aluminum industry.



**Outer Diameters :** 230 - 800 **Number of Layers:** 8 - 22  
**Inner Diameter:** 19 - 230 **Application :** Automatic Polishing



**VENTILATED SISAL BUFF**

The special shape of airways gives ventilation to this buff, which is made up of all-bias weave that avoids the fraying of the sisal cloth and provides a longer life. *This buff is very popular in aluminum profile and door handle industries.* It is mainly used in automatic polishing machines. The abrasiveness, life and consistency of this buff are improved by impregnations of different kinds. Flexible impregnation is recommended for aluminum profile manufacturers. As per demand, it can be supplied either with metal flanges or card-board center.

**Outer Diameters :** 100 -800 **Inner Diameter:** 19-230  
**Number of Layers:** 2-6 **Application :** Automatic Polishing

**STITCHED COTTON BUFF**

This buff can be used manually or automatically. It is especially the main buff of the robot polishing machines. Full disk or sectional type, this buff is supplied in the well-known quality and stitching. Only special high quality cotton fabrics are used to manufacture it. It can also be supplied with card-board center.

**Outer Diameters :** 60-1000 **Number of Layers:** 5 - 80  
**Inner Diameter:** 10 - 80 **Application :** Manual & Automatic Polishing



## FOR CUTLERY INDUSTRIES

### MINI COTTON BUFF

This buff is generally used for coloring and polishing of cutlery and flatware. All types of fabrics can be used.



### MINI SISAL BUFF

This buff is made of bias forms of sisal and cotton fabrics. It has a very good performance in cutlery polishing. It is considerably elastic.

**Impr.:** Soft, medium, hard, very hard.  
**Outer Diameters :** 100 - 250  
**Core :** Metal  
**Hole :** 19 or 24 mm Hex.  
**Application :** Automatic Polishing

**Outer Diameters :** 70 - 250  
**Core :** Metal  
**Hole :** 19 or 24 mm Hex.  
**Application :** Automatic Polishing



### MINI SISAL CORD BUFF

They are made of special African sisal twines. They are indispensable polishing buffs of cutlery producers. They are used in automatic applications, but also they can be adapted to manual polishing. These buffs can either be produced as natural or with impregnation. The polishing face shape of the buffs can be customized on demand.

**Impr.:** Soft, medium, hard, very hard.  
**Outer Diameters :** 100 - 250  
**Core :** Metal  
**Hole :** 19 or 24 mm Hex.  
**Application :** Automatic Polishing

## FOR JEWELRY INDUSTRIES

### MINI JEWELRY COTTON BUFF

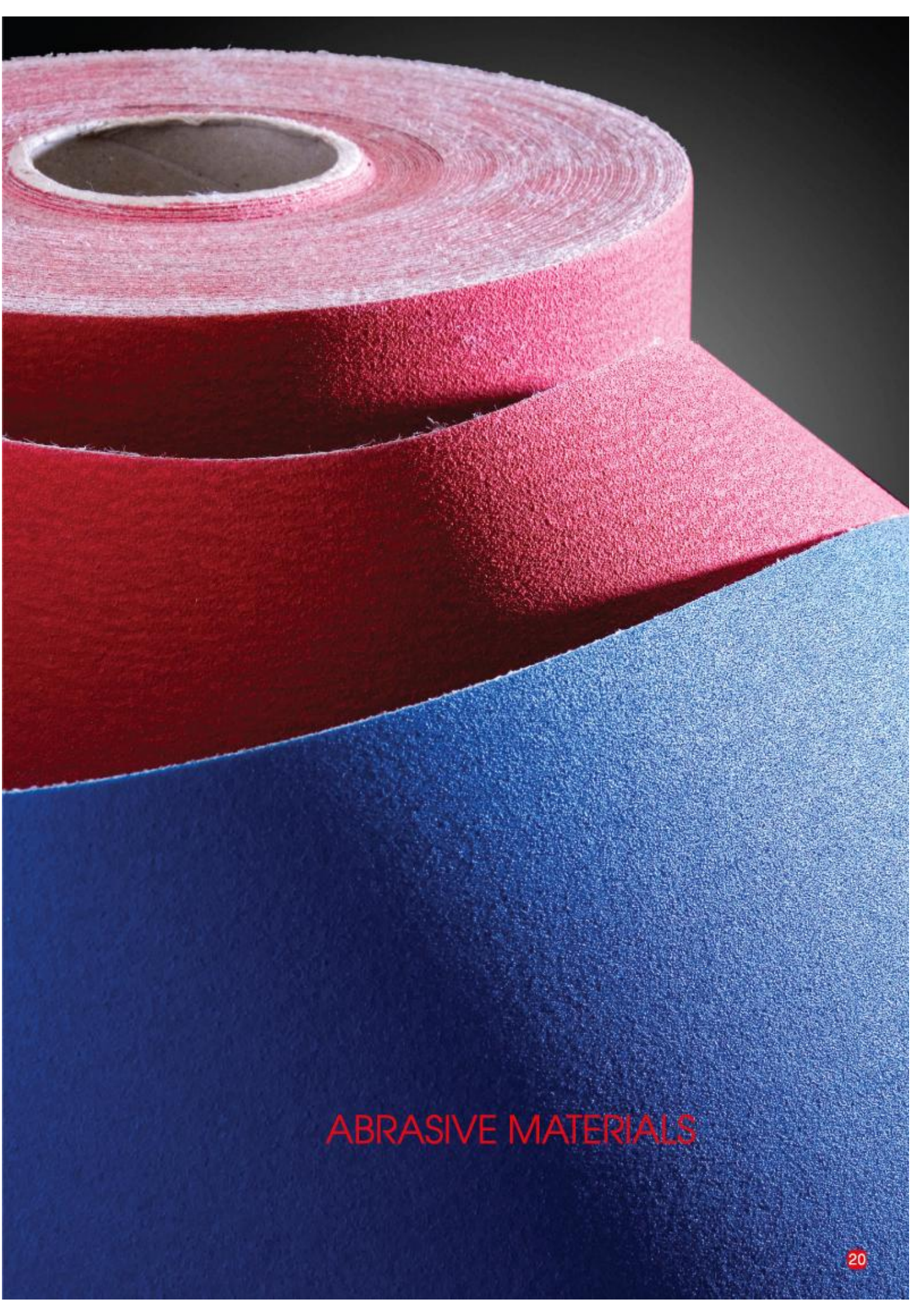
This buff is generally used in jewelry industry. It is a very popular buff in the sector. All cloth qualities are available.

**Impr.:** Soft, medium, hard, very hard.  
**Outer Diameters :** 50 - 200  
**Thickness :** 10 - 40  
**Hole :** 5-24  
**Application :** Manual Polishing



## ACCESSORIES





## ABRASIVE MATERIALS

MARPOL Co. has a capacity of producing 500 pcs abrasive flap wheels and 6000 pcs abrasive belts per day. In the production, Marpol uses German, French, Italian manufacturer's products and PACO's products. Marpol is the distributor of Paco Abrasives in Turkey. With her expert team, Marpol is able to extend necessary technical support and recommend the right products for the customers.

In this context, abrasive rolls made of abrasives materials such as ceramics, aluminum oxide, zirconium and silicon carbide are used in Marpol facilities. Abrasive products made of ceramics and zirconium are very successful at the steel and the stainless steel products. Aluminum oxide origin products are used for metals and non-metals "wood and plastic" industry. Silicon carbide origin products are indispensable products for the brass, aluminum, zamac, non-ferrous metals and glass sectors.

### ABRASIVE BELTS, ROLLS, SHEETS & DISCS

We have resinated cloth abrasives in all grits for wet and dry grinding. We use coated abrasives of qualified European producers and PACO Co.'s to satisfy all requirements in the sectors of ferrous and non-ferrous metals and wood.

**Size** : All required sizes  
**Grits** : 24 – 1200  
**Application** : Manual & Automatic

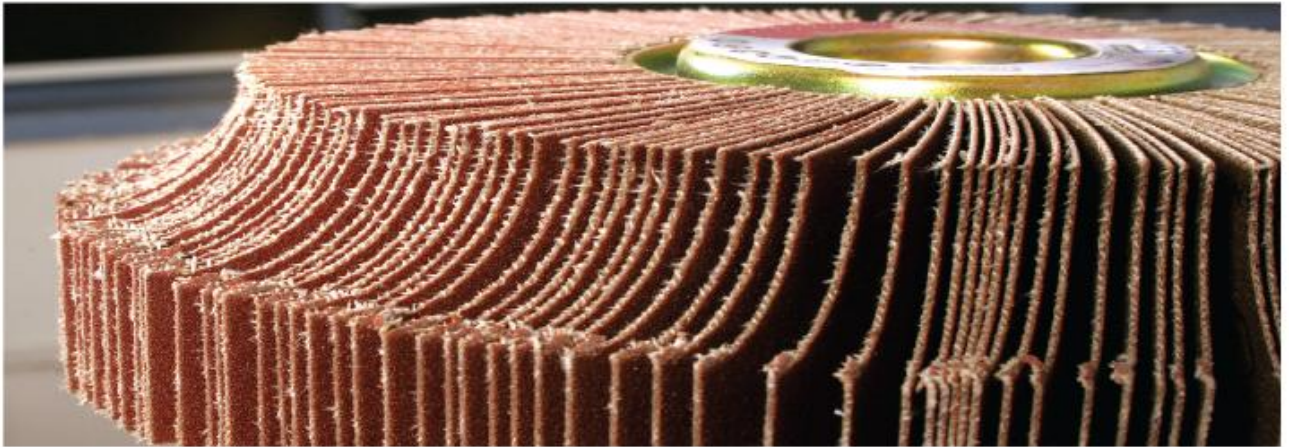


### ABRASIVE FLAP WHEELS

They're made of aluminum and zirconium oxide abrasive leaves arranged around a core. Abrasive leaves are easily adapted to work piece due to their flexibility. Strong cloth backing avoids breaking and creates a safe working environment. They're perfect for stainless steel and metal industries.



**Size** : All required sizes  
**Grits** : 24 – 600  
**Application** : Manual & Automatic



### **NON-WOVEN & COMBINED FLAP WHEELS**

They're used for final polishing phase to have a quick and a perfect finished surface. They're made from aluminum oxide and silicon carbide minerals, they ensure users to obtain bright satin surfaces. They are mainly used in cutlery industry, stainless steel pots, wood and marble industries. They have a combination of nonwoven web and abrasive leaves. They provide a better polishing quality and aggressiveness on the surface, and polish without scratches.

*Size : All required sizes    Grits : 60 – 400*  
*Application : Manual & Automatic*



### **NON-WOVEN BUFFS, SHEETS, DISCS AND ROLS**

These buffs are especially suitable for satin finishing of aluminum sections. They are used on table type machines, rotary machines, transfer machines and also on manual machines. They work without abrasive compounds.



*Size : All required sizes    Grits : 60 – 400*  
*Application : Manual & Automatic*



The following chart indicates the RPM (revolution per minute) versus D (Diameter of the buff) that should always be taken into consideration.

NOTE : Higher the speed (RPM), the harder and also less flexibe the buff becomes. If the contact pressure and speed of the buff are too high, both the buff and component will over heat and burn.

RPM	Outer Diameter of the Buff (mm)								
	100	150	200	250	300	350	400	450	500
800	4	6	8	10	13	15	17	19	21
1000	5	8	10	13	15	18	21	24	26
1200	6	10	12	16	19	22	25	28	31
1400	7	11	15	18	22	26	29	33	37
1600	8	13	17	21	25	29	33	37	42
1800	9	14	19	24	28	33	38	42	47
2000	10	16	21	26	31	36	42	47	52
2200	12	17	23	29	35	40	46	52	58
2400	13	19	25	31	38	44	50	57	63
2600	14	20	27	34	41	48	53	61	68
2800	15	22	29	37	44	51	58	66	74
3000	16	24	31	39	47	55	63	71	79

*Recommended buff speeds for polishing metals.*

Experimental values for best performance has been tabulated as below :

Grinding : Approximately 30 m/sec.  
 Satin finishing : Approximately 15 m/sec.  
 Polishing metals : Approximately 35 m/sec.  
 Polishing fittings : Approximately 20 m/sec.  
 Polishing plastics : Approximately 15 m/sec.



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