



Trusted Polishing Solutions

Depend on Osborn for all of your polishing needs

From start to finish, Osborn has your back with innovative solutions.

As the global leader in surface treatment and finishing solutions, Osborn knows that it's about more than just a product. With Osborn, you have a partner; an expert in your field that is dedicated to providing you the right solutions to do the job at hand better, faster, and safer.

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Cost savings, improved efficiency, optimal results. Our experts are highly trained to serve you best, when and where you need it most. We help you optimize your polishing challenges.

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UNIQUE + REPUTABLE CAPABILITIES

Honest experts providing trusted solutions.

Since 1887, we have grown to become the world's largest surface treatment and finishing provider. We're dedicated to offering the very best—a standard to which we hold ourselves and the aspiration we reserve for our diverse customer base. Osborn helps you **Finish. First.**

Products for every application.

Osborn has the broadest selection of buffs, compounds and chemicals in the industry. Osborn will develop custom solutions for particular applications when standard products cannot meet the demands.

Continued innovation.

Product development focused upon customer applications. This applies to new products, continuous improvement, and process control.

Leading combination.

The combination of long lasting Osborn buffs and economical compounds provide excellent results and fewer rejects. Our liquid compounds are the most stable in the business due to unique methods of manufacturing. Our compounds are made using the highest quality minerals, sized within a very limited range, to ensure no unexpected lines or scratches on a given surface. They adhere perfectly to Osborn buffs for a clean and economical process. Let our experts show you how to achieve the lowest cost per part!

Osborn polishing solutions are perfect for any application. From aluminum to stainless steel. From titanium to polymers. Compound and buffs are paired to provide a perfect combination.





Finest Materials

Mill-treated cloth manufactured to the exact Osborn specification.

Perfect Balance

Osborn buffs are balanced for perfect concentricity.

Consistency Every Time

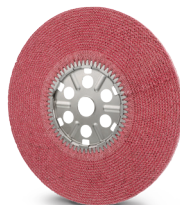
All cloths used by Osborn are subject to stringent quality control procedures to ensure exactly the same quality every time (particularly important for robotic operations running 24/7).

Available in Multiple Sizes

Osborn buffs are available in metric and imperial sizes.

Designed for All Applications

Osborn perfectly attuned buffs and compounds for manual and automatic operations.



Local Inventories

Osborn serves 120 countries around the world. North American, European, and Asian manufacturing assures product availability and prompt delivery.

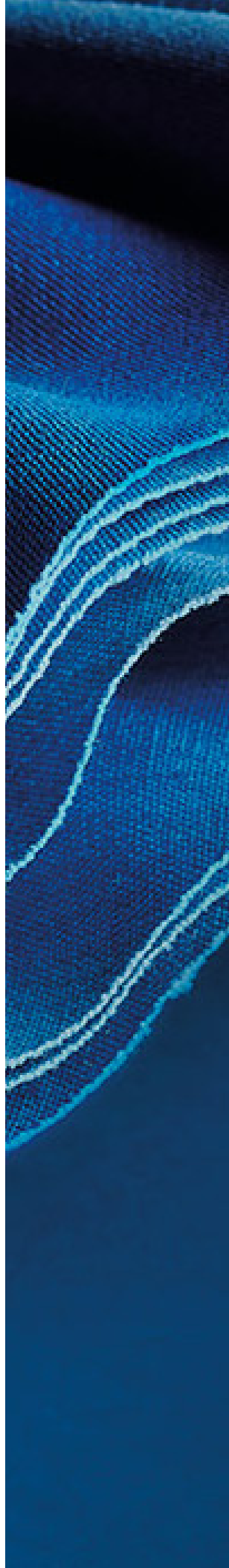
135+
years of
experience

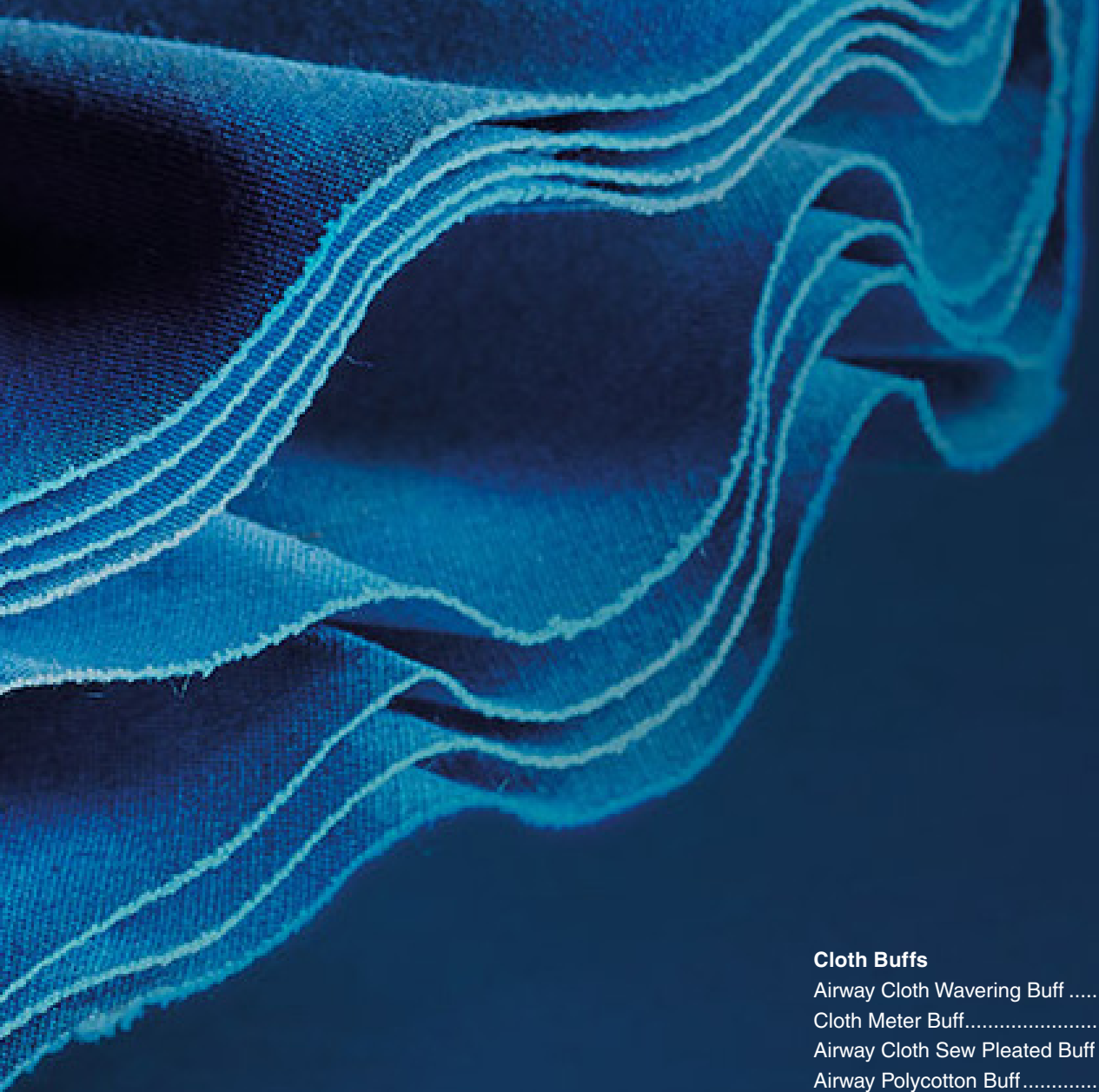
High Performance Buffs

Finest quality cloths and construction techniques for buffing solutions. Superior buff treatments for repeatability and performance.

OVERVIEW

Quality Cloth Buffs.





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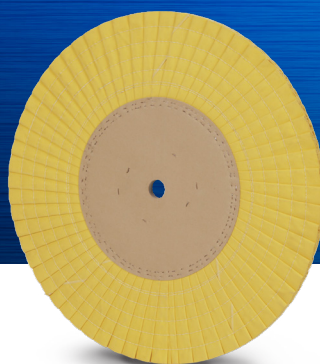
CLOTH BUFFS

An extensive range of different cloths in natural or treated forms has been developed to meet the demands of the polishing industry.



Airway Cloth Wavering Buff

The most resilient Osborn cloth buff. The regular waves fixed around a core offer stability and long service life. Despite the high density of the material, the construction still offers a cooling effect. Wave buffs are the tool of choice when there is little or no possibility of oscillation. Wave Cloth Buffs with compounds are popular for polishing flat parts and pots & pans.



Cloth Meter Buff

Regular folds with cotton cloth, make this large-diameter cloth meter buff an aggressive tool with good compound retention and extended life with controlled indexing. Manufactured in large diameters of 28" to 40". Perfect for buffing with low RPMs to achieve maximum surface speed. Perfect for robotic polishing of builders hardware and cutting or polishing knives while using a cutting compound.



Airway Cloth Sew Pleated Buff

This buff has a soft face with excellent cushion and is ideal for mush buffing highly complex and contoured parts. The flat, regular pleats offer an excellent surface for the retention of Osborn compounds. The hardness and flexibility depend on whether a mill-treated cloth, a standard cloth, or a raised cloth is selected. Pots & pans and hardware require softer cloths for that perfect final finish.

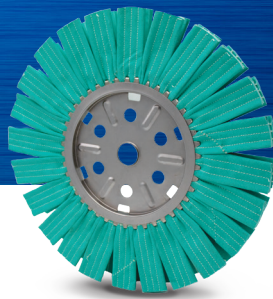
Mill Treated Cloth Types

Type	Color	Cloth	Characteristics	Application
Cotton	Light Green	GXL	Medium weight, fine weave, extra firm	Cut, Cut/Color
Cotton	Yellow	HY	Medium weight, fine weave, medium firm	Cut, Cut/Color
Cotton	Plain	HF	Medium weight, fine weave, firm	Cut/Color
Cotton	Plain	BHVF	Heavy weight, standard weave, firm	Cut/Color
Cotton	Purple	BHVP	Standard weight, standard weave, firm double treated	Cut, Cut/Color
Polycotton	Dark Blue	PHCB	Heavy weight, standard weave, extra firm	Cut, Cut/Color
Polycotton	Blue	PGF	Medium weight, fine weave, medium firm	Cut/Color
Polycotton	Light Blue	HPB	Standard weight, fine weave, firm	Cut/Color



Airway Polycotton Buff

Flexible and versatile. Constructed using the highest quality polycottons and is biased to reduce fraying and increase life. Various cloths can be selected depending on the results required. The irregular folds fixed to a metal clinch ring form a dense and economical buff for coloring. Excellent for heavy work on finishing tools for precious metals, stainless steel, and non-ferrous metals.



Airway MagnaFlex™ Non-woven Buff

Osborn developed a revolutionary buffing material that possesses characteristics never achieved with other buff cloths. The MagnaFlex™ material is primarily suited for mush buffing of non-ferrous metals without sharp edges. Designed to run at lower speeds and still provide cutting and coloring actions on part surfaces.



Conventional Cotton Buff

Made with 100% cotton. Loose full disc buffs are made with one row of sewing around the arbor hole. They are soft and flexible and are ideal for reaching uneven surfaces while buffing or coloring metals, hard rubber, marble, and plastics. Spiral and concentric sewn buffs are harder than loose buffs.

Base Cloth Types

Type	Color	Cloth	Characteristics	Application
Polycotton	White	PHVR	Heavy weight, standard weave, firm	Cut/Color, Coloring
Polycotton	White	HPR	Medium weight, fine weave, medium	Cut/Color, Coloring
Cotton	Plain	BHVR	Heavy weight, standard weave, medium	Coloring
Cotton	Plain	HR	Medium weight, fine weave, soft	Cut/Color, Coloring
Cotton	Plain	BR	Standard weight, standard weave, soft	Coloring
Cotton	White	DF	Standard weight and weave, both sides combed, soft	Coloring
Cotton	Plain	CF	Standard weight and weave, one side combed, soft	Coloring
Polyester	Brown	MAGF	Heavy weight, non-woven, soft	Cut/Color, Coloring

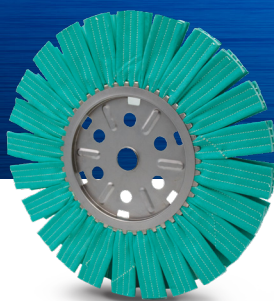
CLOTH BUFFS

An extensive range of different cloths in natural or mill-treated forms has been developed to meet the demands of the polishing industry.



Airway Cotton Buff

Made from the tightest quality cloth specifications, these cloth buffs set the industry standard for quality and performance. The standard ventilated buff is suitable for almost every step in the polishing process. This buff runs cooler than stitched buffs, is more flexible, and does a better job on contour work. The irregular folds fixed to a metal clinch ring form a flexible and economical buff. Available in conventional or mill treated.



Airway Cloth Finger Buff

Used for cutting down operations. This very firm aggressive buff is used where the surfaces vary in contour or irregularly shaped parts. Designed with folded and sewn fingers to get into those hard-to-reach spots. This is a very aggressive buff that can be used on steel, aluminum, brass, and zinc die-cast. Can be used for both manual and automatic operations.



Airway Cloth Hot Pleated Buff

These buffs have a soft face with some flexibility and are effective tools for contact buffing and provide excellent cut and color options. The pleats are designed to allow for maximum face coverage and flex during mush buffing. The pre-pleating of the cloth causes the edge surface to have a random configuration and the plies do not all lay together. This will help eliminate streaking when no oscillation is possible. This buff makes up a softer wheel to reach into recesses and contours.

Product Selection Guide visit **page 36** for product suggestions based on your specific application.

CONTACT WHEELS

Made from rubber sections, this wheel is ideally suited for coated abrasive sanding belt operations.



Diamond Cut Contact Wheel

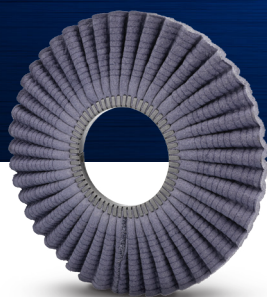
This wheel is used with coated abrasive sanding belt operations as the carrier of abrasive belts and does not touch the product. Because this Contact Wheel is made from rubber sections, versus cloth, it is more durable and provides a cooler wheel to carry belts. Pressed discs are provided to protect sections, maintain structure, provide firmness, and keep the edges from breaking down. The material allows flexibility when needed for contoured edges and parts as they pass across the abrasive belt surface. Used in automated and manual polishing coated abrasive belting applications. The contact wheel is available in multiple configurations and densities.

Features & Benefits

- Increases belt life up to 150%
- Improves abrasive belt performance
- Pliable, yet solid cushion face allows faster stock removal than conventional contact wheels
- Reduces grinding time
- Permits finer belts to be used, producing more uniform scratch patterns

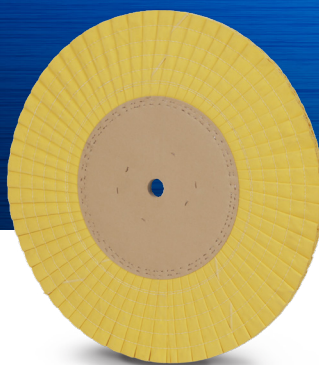
SISAL CLOTH BUFFS

Sisal is a natural material, perfect for the polishing process due its excellent compound retention properties. Sisal buffs are aggressive and usually follow a coated abrasive grinding process.



Airway Cloth and Sisal Wavering Buff

The combination of dense sisal web and cotton cloth, folded in regular waves, results in a very hard cutting buff, ideal for removing oxidation or other first steps in the polishing process. Waved buffs are the tool of choice when there is little or no possibility of oscillation. Used in conjunction with our compounds, these buffs are popular for polishing flat parts. This is the tool of choice on rotary tables and flatbed polishing machines.



Cloth and Sisal Meter Buff

Regular folds with a sandwich of sisal web and cotton cloth, make this large-diameter cloth and sisal meter buff an aggressive tool with good compound retention and extended life with controlled indexing. Manufactured in large diameters of 28" to 40". Perfect for buffing with low RPMs to achieve maximum surface speed. Perfect for robotic polishing cells.



Airway Open Double Cloth Bias Sisal Buff

A flexible and economical cutting tool with irregular folds of sandwiched sisal and cotton cloth quilted together. The quilting of the cloth and sisal provides flexibility in the buffing of contoured parts and enables the buff to effectively hold the compound. These buffs can produce an aggressive cut or color finish and adapt well to any surface. The ODCBS buffs are used for fast cutting with a soft finish on flat or contoured parts for ferrous and non-ferrous parts.

Sisal Types

Sisal is available as a woven fabric, sandwiched with cloth or plaited in to cord.



Sisal Web



Sisal Cloth (Sandwich)



Airway Bias Sisal Buff

A compact buff, purely made of sisal web. It is a hard, aggressive tool. Sisal is a natural material, perfect for the polishing process due to its excellent compound retention properties. Typically used for heavy cut applications on robotic cells or hand polishing. These buffs are used most effectively with heavy-cut compounds to smooth out rough material, remove light tool lines and eliminate scratches imparted with setup wheels and other types of polishing operations.



Airway Open Bias Sisal Buff

A flexible and economical cutting tool with irregular folds of sandwiched sisal. Buffs can be mounted together to form a wider surface when polishing larger surfaces, particularly on flatbed machines. For extended life and less flexibility, Osborn dip treatments are available. Suitable for a wide range of applications including builder's hardware and car parts.



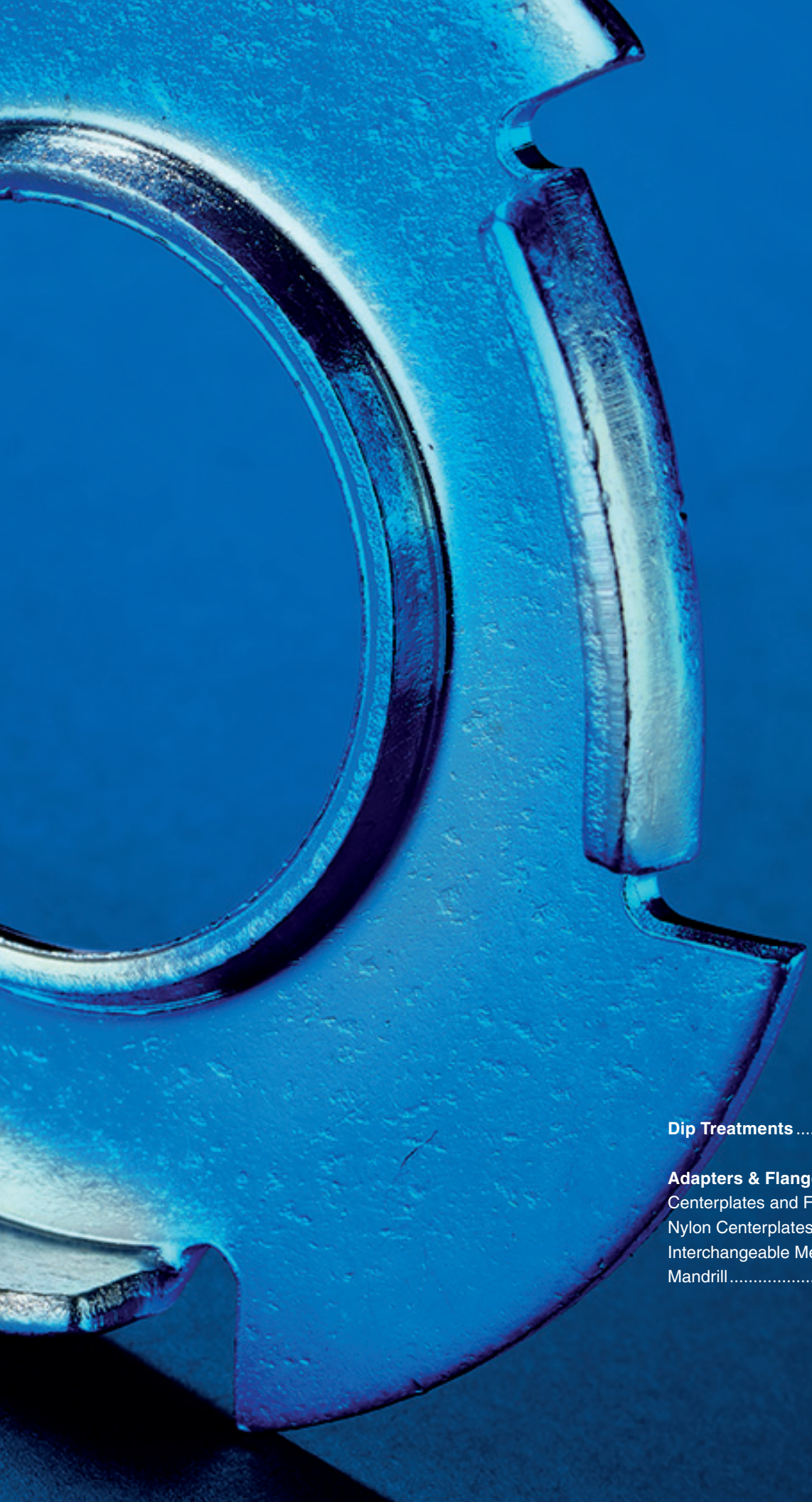
Conventional Sisal and Cloth/Sisal Disc

Full disc sisal buffs are used for cut-down operations. Constructed from top-quality sisal, sewn, and treated for added cut and life. Cloth/Sisal conventional buffs alternate cloth and sisal ply to create desired firmness. The use of the cloth in the buff adds value to compound retention and softens the buff for contoured parts. The combination of cloth and sisal provides cutting action and high color on steel and aluminum parts.

Type	Characteristics	Cut
Airway Cloth and Sisal Wavering Buff	Wavering very heavy structure with tight closed face to promote oscillation	Heavy
Cloth and Sisal Meter Buff	Pleated Buff very heavy structure, large diameter wheel for reduced heat providing longer buff life	Medium
Open Double Cloth Bias Sisal	Airway Buff flexible structure with open face for flat and contours, good compound retention	Medium
Airway Bias Sisal Buff	Biased Buff dense structure with sisal tight web face, mostly flat surfaces	Very Heavy
Airway Open Bias Sisal Buff	Airway Buff flexible structure with sisal open face for flat and contoured surfaces	Heavy

Treatments, Adapters and Flanges.





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TREATMENTS

Osborn cloths are often mill-treated (at source) according to our specific demands, to make them stiffer or more flexible, longer wearing or to perfectly suit the Osborn polishing compounds. Alternatively, finished buffs made from cloth or combinations of cloth and sisal web, are dip-treated for extended service life, greater hardness or flexibility. Check out the various options.



Dip Treatments

Specially developed in the Osborn labs, dip treatments extend service life, make the buffs harder or increase compound retention. Using high pressure vacuum equipment, the treatment is equally and thoroughly distributed through the buff and then oven dried for several hours.

Treatment Types

Allow our experts to advise you on the most suitable treatment types for your specific polishing process.

Color	Name	Firmness	Retention
Blue	MD	Hard	Low
Ligh Red	MA20	Medium	Medium
Red	RBRN	Very Hard	Low
Pink	81	Hard	High
Light Blue	OCDP	Soft	Low
Clear	ECLP	Soft	Medium
Red	RD	Medium	Low
Yellow	170	Very Hard	Medium
Yellow	160	Hard	Medium

ADAPTERS AND FLANGES

Metal Centerplates, Nylon and Aluminum accessories can be used to reduce the inside diameter of Buffs.



Centerplates and Flanges

Centerplates with ventilation holes are required to reduce the inside diameter of buffs to a bore size that suits the shaft on which they are to be mounted. Metal centerplates are reusable.



Nylon Centerplates and Spacer

Nylon centerplates are used to reduce the inside diameter of the buff, they can also be supplied as a combination of centerplate and spacer for quick and efficient mounting.



Interchangeable Metal Adapters

Small centerplates are specifically used to reduce the buff inside diameter of 31.75 mm to a smaller size.



Mandrill

Mandrills in 6 mm are available for clamp polishing or satin finishing buffs with an inside diameter of 10 mm to 100 mm. Parts can then be used on a power drill. Mandrills are intended for repeated use.

Polishing Compounds.



Polishing Compounds

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POLISHING COMPOUNDS

There is no-one-size-fits-all, Osborn prides itself on recommending the best, most efficient solution for every application. Recommendations on these pages are just examples. Our experts are happy to advise you.



Liquid Polishing Compounds

Osborn liquid compounds can be dispensed through a central system or with pressure pots. They are suitable for both high and low-pressure spray guns.

Type	Color	Characteristics	Lubricant	Cut	Color
8220	Gray	Premium Cut Compound	3	9	1
LS5994	Yellow	Cut Compound	2	8	2
LT-44	Brown	Tripoli Compound for Cut and Coloring	1	7	3
8755	White	Cut and Color Compound	1	7	4
8273	Brown	Tripoli Compound for Cut and Coloring	3	6	4
18T	Brown	Tripoli Compound and Easy to Clean	3	5	5
8765	White	Premium Cut and Color Compound	2	5	6
6960	White	Good Cut and Some Gloss	5	4	6
8140	White	Color Compound	2	3	7
LC3044	Green	Color	2	2	5
8700	Red	Ultra High Gloss	3	2	7
8511	Green	High Gloss Color Compound	2	2	8
LC3567	White	Ultra High Gloss Color Compound	2	1	9

Scale from 1 = Low to 10 = High

Special Animal-Fat-Free Liquid Compounds

Animal-fat free emulsions, perfect for attaining the finest surfaces required on orthopedic implants and other medical devices. Specially developed for robotic and other automatic applications.

Type	Color	Characteristics	Lubricant	Cut	Color
LC4250	Green	Animal Fat Free Color Compound	3	2	8

Scale from 1 = Low to 10 = High

Contact an Expert

Please contact us if unique solutions are required. We are the industry expert.



Solid Polishing Compounds

Osborn has a complete range of solid polishing compounds that can be used individually or in combination to achieve a desired result. Most types can also be supplied as sized bars for robotic applications. For manual operations, Osborn offers approx. 1,200g bags or bars.

Part No.	Color	Characteristics	Lubricant	Cut	Color
2433A	Gray	Cut Compound	1	9	1
A-16	Gray	Cut Compound	3	8	1
BS5509	Gray	Versatile Cut Compound	5	7	3
C-3568	Gray	Cut and Coloring Compound with Some Gloss	3	6	5
D-9	Brown	Dryer Cut Compound with Some Coloring	4	6	4
BT3067	Brown	Cut Tripoli Compound	7	6	4
C3776	Yellow	Cut and Color Compound	2	5	7
T312	Brown	Speedie Tripoli Cut Compound	8	5	5
D-18	Brown	Tripoli Cut Compound	2	5	5
C2969	Green	Speedie Dry Coloring Compound	5	5	5
2B100	Brown	Learock Moderate Grease Cut Compound	9	4	6
9B36	Tan	Versatile Dry Cut/Color Compound	6	4	6
BC4921	White	Cut or Cut/Color Compound	7	4	6
SS-51	White	Color Compound	3	4	7
R3250	Red	High Color Compound	4	2	8
C-3	Green	Color Compound	2	2	8
C3568	White	High Gloss Color Compound	1	1	8
X-21W	White	Coloring Compound	2	1	9
C3570	Green	Ultra High Gloss Color Compound	2	1	9
WD-100	Tan	High Coloring Compound	1	1	10

Scale from 1 = Low to 10 = High



Special Animal-Fat-Free Solid Compounds

Animal-fat free compounds excelling in the medical and food industry.

Part No.	Color	Characteristics	Lubricant	Cut	Color
BS5699-VG	Gray	Cut Compound	1	8	4
BC4197-VG	White	Cut and Color Compound	2	6	6
BC4431-VG	White	Color Compound	1	4	7
BC4250-VG	Green	High Gloss Color Compound	2	3	8
BC4393-VG	White	Ultra High Gloss Color Compound	3	1	9

Scale from 1 = Low to 10 = High

High Performance Abrasives.





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ABRASIVE NON-WOVENS

Abrasive non-wovens consist of tangled nylon and/or polyester web with different types of abrasive grit particles resin bonded to the fibers. The material has an open and flexible structure. As it wears, new abrasive is



Non-woven Convolute Wheel

The Non-woven abrasive web is wound around a core and specially treated, resulting in a consistent hardness and level of abrasion over the life of the product. This convolute product is perfect for light deburring. An arrow indicates the direction in which the wheels must be used. Blend and Finish wheels have an open mesh construction that is ideal for cleaning before coating applications.



Non-woven Flap Brush

Flexible, conformable wheels that apply uniform satin finishes. The density is dictated by how many flaps are wound around the core, therefore, a high density for the firm face when working on a flat surface and a medium density for a softer, flexible face when the part is irregular in shape. Also available as a wide-face product.



Interleaf Flap Brush

Medium Density wheels in either Aluminum Oxide Fine or Very Fine grit sizes are used to relieve black nickel or oxide off brass in an antiquing process. Coated abrasive sheets are positioned between non-woven materials for increased flexibility and cutting. Excellent for prep work before staining, sealing, or priming on raw hardwood moldings.

Product	Abrasive	Grit Size	Outside Dia.	Core Dia.	Face Width	Density
Non-woven Convolute Wheel	Alox, Sic	VFN, FN, MED, CRS	6"-16"	1"- 10"	Up to 20"	LOW, MED, HIGH, X-HD
Non-woven Flap Brush	Alox, Sic	FN, MED, CRS	4"-10"	1"- 8"	Up to 14"	MED
Interleaf Flap Brush	Alox, Sic	SFN, VFN, FN, MED, CRS	4"-16"	1"- 10"	Up to 27"	LOW, MED, HIGH
High-Strength Non-woven Flap Brush	Alox, Sic	FN, MED, CRS	4"-10"	1"- 8"	Up to 14"	MED, HIGH

UFN=Ultra Fine, SFN=Super Fine, VFN=Very Fine, FN=Fine, MED=Medium, CRS=Coarse

Bushings available for all wheels—1/2", 5/8", 1-1/4", 1-1/2" & 2-1/4"

exposed to create a uniform and consistent finish, whether on a flat or slightly profiled surface. Abrasive grit particles are usually Silicon Carbide or Aluminum Oxide. The material can be used in both wet and dry operations.

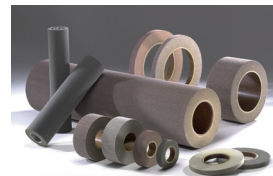


High-Strength Non-woven Flap Brush

Contains twice the abrasive as standard flap brushes for increased wear resistance and durability. They won't increase the depth of scratches, but they increase the number of scratches per square inch compared with standard flap brushes.

Visit [osborn.com](https://www.osborn.com) to find a huge selection of Abrasive Cutting Discs, Abrasive and Wire Brushes in the Osborn range.

Did you know? Osborn can also supply rollers in widths up to 12 ft., perfect for a satin finish on aluminum and copper sheet or strip.



BUFF AND BLEND ROLLS

Buff and blend rolls are widely used with orbital or straight-line sanders where a matte or satin finish is required. Rolls are cut to size and used on off-hand applications or spindles. Available in various widths and grit sizes and performs a number of hand blending, cleaning and touch-up finishing jobs.



Airway Non-woven Wavering Abrasive Buff

The waved construction allows for a high-density buff with minimal flexibility, an advantage when good cutting action and a uniform surface are required. This buff is suitable for all satin finishing operations, especially when equipment does not allow for oscillation.



Airway Non-woven Abrasive Buff

Usually, 2 to 4 layers of non-woven are fixed to a metal clinch ring. The irregular folds offer a versatile satinizing tool that performs best when minimal pressure is applied, this in turn increases the surface life of the Airflow. This is a highly economical buff.



Conventional Non-woven Abrasive Disc

Made from small diameter discs of non-woven abrasive material adhered together with a canvas center. The 1/4" standard center hole allows these flexible wheels to be screwed on tapered spindles for light cleaning and finishing jobs. They are a low-cost way to polish the inner diameters of stainless steel tubes.

Abrasive Non-woven Types

A selection of the most standard non-woven types for the steel and stainless-steel industry.

Material Type	Density	Grit
S=Silicon Carbide	4 = Soft	CRS = Coarse
A = Aluminum Oxide	6 = Medium	MED = Medium
	7 = Hard	FIN = Fine
	8 = Very Hard	VFN = Very Fine



Non-woven Abrasive Rolls and Handpads

Convenient so they can be cut to the desired length for machine or manual use. They are available in a variety of face widths, and grit sizes and can be selected in 30 ft. or cost-effective 20-meter lengths. Available in 6" x 9" and performs several hand blending, cleaning, and touch-up finishing jobs.

Product Selection Guide

visit **page 36** for product suggestions based on your specific application.

Product	Abrasive	Grit Size	Dimensions	Core Dia.	Plys
Airway Non-woven Wavering Abrasive Buff	Alox, Sic	SFN, VFN, FN, MED, CRS	6"-18"	3", 5", 7"	2, 4
Airway Non-woven Abrasive Buff	Alox, Sic	VFN, FN, MED	3", 4", 6"	Pinhole-2.5"	2, 4
Conventional Non-woven Abrasive Disc	Alox, Sic	SFN, VFN, FN, MED, CRS	Up to 24"	No Core	1
Non-woven Abrasive Rolls	Alox, Sic	SFN, VFN, FN, MED, CRS	Up to 36"	No Core	1
Non-woven Abrasive Handpads	Alox, Sic	UFN, VFN, FN	6" x 9"	No Core	1

UFN=Ultra Fine, SFN=Super Fine, VFN=Very Fine, FN=Fine, MED=Medium, CRS=Coarse

NON-WOVEN WOOD ABRASIVES

Garnet abrasive provides optimal stock removal while leaving an excellent surface finish.



Garnet Abrasive Wheel

The Garnet Abrasive Wheel is a convolute wheel built by winding layers of a non-woven abrasive around a round core. The abrasive material is created by extruding fiber strands, resin, and garnet minerals. With softer organic minerals, garnet is a good match for woodworking applications, because it produces finer finishes than synthetic minerals. Ideal for the removal of mill/knife marks and chatter. Operating pressure and speeds are low to prevent burning.

Visit osborn.com to find a huge selection of Abrasive Cutting Discs, Abrasive and Wire Brushes in the Osborn range.

Wood Wheel Configurations

Outside Diameter	4" - 10"
Inside Diameter	1.25" - 5"
Face Width	1/2" - 9"
Density	Very Soft Soft Hard Medium Hard Very Hard
Grits	40, 54 (A/O LD only), 60, 80, 100, 120

COATED ABRASIVES

Osborn offers a range of coated abrasive tools, making the most of the best materials on the market and our manufacturing expertise.



Epoxy Flap Wheels

Coated abrasive sheets are arranged in an epoxy-bonded core, making an evenly distributed, quieter, and more efficient polishing tool. This versatile wheel is available in multiple grit types and sizes and can be adapted to fit the application. Round parts, flat parts, edges, and contours benefit from this product with its ability to continually produce consistent and repeatable results. Effective for applications with narrow face widths.



Abrasive Mechanical Flap Wheels

Tightly packed coated abrasive flaps arranged around a mechanical core, make an effective, durable, and versatile polishing tool. Round parts, tubes, pots & pans or even the sole of an iron benefit from this product, with its long life and ability to continually reproduce the same surface when compared to coated abrasive belts. Great for wide face width applications.



Sandshaper Airway Buffs

Tightly packed coated abrasive flaps arranged around a mechanical core, make an effective, durable, and versatile polishing tool. Round parts, tubes, pots & pans, or even the sole of an iron benefit from this product, with its long life and ability to continually reproduce the same surface when compared to coated abrasive belts. Great for wide-face-width applications.

Material \ Grit	Grit									
	40	60	80	120	150	180	220	240	320	400
X-Standard Cotton	X	X	X	X	X	X	X	X	X	
J-Flexible Polyester				X	X	X	X	X	X	X

*This chart represents a small sampling of the many product selections.

Product Selection Guide
visit **page 36** for product suggestions based on your specific application.

Alkaline Cleaners, Rust Inhibitors & Specialty Chemicals.





Immersion and Ultrasonic Chemical Cleaning

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Spray Cleaner Chemistry

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Special Chemistry and Rust Inhibitors

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IMMERSION AND ULTRASONIC CHEMICAL CLEANING

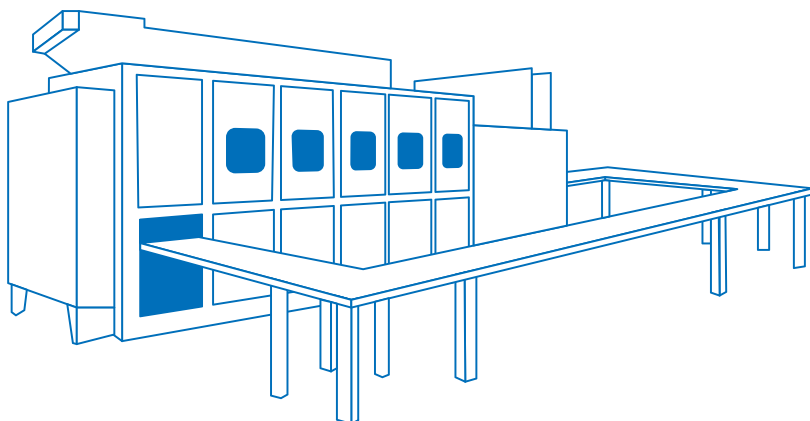
Compound removal for bar, greaseless, and liquid buffing compounds. Alkaline cleaning uses water-soluble formulas at temperatures of 160°F to 175°F. Most compound binders begin melting at 140°F. For oil removal, the temperature to clean the part will vary on the geometry of the part, the type of oil on the part, and the type of equipment utilized to remove the oil. Some soils will remove at temperatures as low as ambient temperature while some may need heat as high as 180°F. Certain soils can only be removed at elevated temperatures.

Buffing Compound Removal

Liquid cleaners are effective as both a soak and an ultrasonic cleaner for liquid and bar compound removal from aluminum, zinc die castings, brass, and steel without an attack on the base metal.

Oil and Lubricant Removal

Liquid cleaners are effective as both a soak and ultrasonic cleaner designed to remove light to heavy oils, greases, and other contaminants from ferrous and non-ferrous metals.



SPRAY CLEANER CHEMISTRY

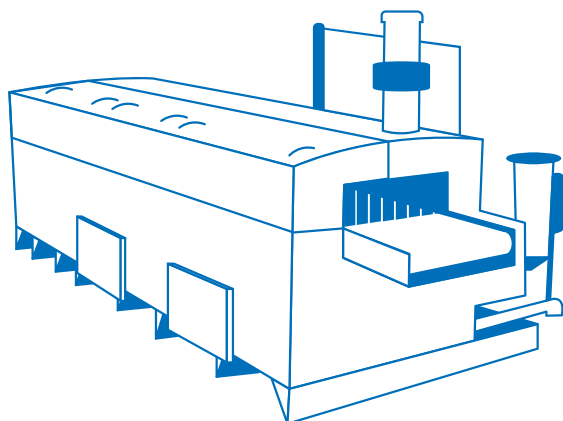
Osborn spray chemistries are designed to remove soil through spray impingement with minimal or no foaming and at low concentration levels. And as always, Osborn chemistries are formulated for longevity.

Buffing Compound Removal

Liquid cleaning chemistries are designed for use in spray washing equipment. They are formulated to remove buffing compounds, coolants, and machining and honing oils from ferrous and non-ferrous surfaces.

Oil and Lubricant Removal

Chemistries range from mildly alkaline to highly alkaline liquid cleaning solutions. Some have built-in temporary rust protection. They are designed to remove coolants, machining, stamping, and honing oils from ferrous and non-ferrous surfaces.

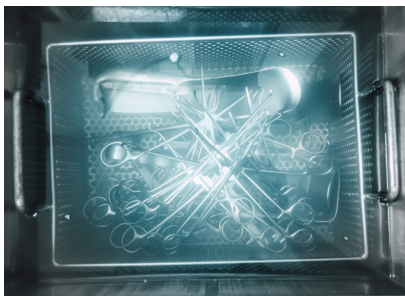


SPECIALTY CHEMISTRY AND RUST INHIBITORS

The following is just a small sample of other chemistries Osborn can supply.

Rinse Aid

A low-foaming liquid additive is added to rinse water to reduce the contact angle of water, providing wetting and rapid drainage on the parts coming from an aqueous processing system to obtain spot-free drying on metal parts, plated parts, plastic, and glass. It can also be added to cleaning tanks to improve cleaning and rinsing.



Defoamer

Anti-foaming/defoaming agents are used for alkaline cleaners, heavy-duty detergents, and synthetic and semi-synthetic lubricants. DF-635 is for tank side additions to control, minimize or eliminate foaming. It is completely dispersible in water and imparts a fast reduction of foam. It has excellent compatibility with water treatment, wastewater, and effluent treatment systems.



Auto Scrub

A low-foaming, heavy-duty, floor cleaner. It is a uniform, concentrated, balanced blend of non-ionic and anionic surfactants and detergent builders. It is designed for use in mechanical scrubbing machines and hand-mopping operations for the removal of oils, grease, and other shop soils from concrete to wooden block construction factory floors. It is also safely and effectively used in washing down external machine surfaces or other hard-to-clean applications.

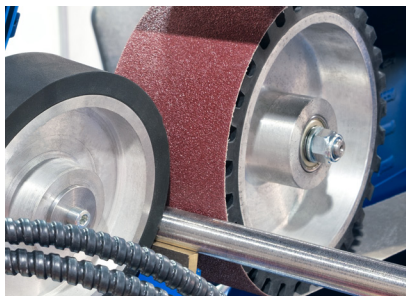


SAVE MONEY WITH THE RIGHT PRODUCT

Osborn carries a full line of abrasive belt lubricants that can extend belt life by 300%. We also carry an extensive line of Rust Inhibitors for all types of applications.

Abrasive Belt Lubricant

Liquid belt lubricant is used to keep metalworking abrasive belts cool and free of metal particle buildup which reduces belt life. By applying BD-45 to the abrasive belt the life is extended by up to three times as much as a dry application.



Rust Inhibitor

A water-soluble rust inhibitor. It offers protection by leaving a dry, non-oily, non-waxy clear film on ferrous surfaces. It may be applied by spray or immersion.



Product Selection Guide
visit **page 36** for product
suggestions based on your
specific application.

Product selection guide for your unique application.

Osborn experts have put together various product selection guides to help you find the most optimal solution for your individual application. Speak to one of our experts for more.





Finest Quality Cloths

Mill-treated cloth manufactured to exact Osborn specifications



Perfect Balance

Osborn buffs are balanced for perfect concentricity.



Highest Quality

Tightest standards and controls for compound formulations providing consistency and repeatability.





PRODUCT SELECTION

Stainless Steel Polishing

Osborn knows that every set-up is different, whether finishing in one step or more, Osborn tools and compounds complement each other throughout the process.

Pots and Pans

	Pre-polish	Cutting	Cut/Color	Coloring	Satin Finish
Wheel	Epoxy Flap Wheel	Airway Cloth and Sisal Wavering Buff	Airway Cloth Sew Pleated Buff	Airway Cloth Sew Pleated Buff	Non-woven Convolute Wheel
	Abrasive Mechanical Flap Wheel	Airway Bias Sisal Buff	Airway Cloth Hot Pleated Buff	Airway Cotton Buff	Non-woven Flap Brush
		Airway Open Bias Sisal Buff	Airway Cotton Buff	Airway MagnaFlex™ Non-woven Buff	Interleaf Flap Brush
		Airway Open Double Cloth Bias Sisal Buff	Airway Polycotton Buff		
Liquid Compound		8220 Compound	8755	8511 Compound	
Bar Compound		2433A	C3776	C-3	

Cutlery

	Pre-polish	Cutting	Cut/Color	Coloring	Satin Finish
Wheel	Epoxy Flap Wheel	Airway Cloth and Sisal Wavering Buff	Airway Cloth Sew Pleated Buff	Airway Cloth Hot Pleated Buff	Non-woven Convolute Wheel
	Abrasive Mechanical Flap Wheel	Airway Bias Sisal Buff	Airway Cloth Hot Pleated Buff	Airway Cotton Buff	Non-woven Flap Brush
		Airway Open Double Cloth Bias Sisal Buff	Airway Cotton Buff	Airway MagnaFlex™ Non-woven Buff	Interleaf Flap Brush
Liquid Compound		8220 Compound	8703	LC3567	
Bar Compound		A-16	SS-51	C3570	

Sinks

	Pre-polish	Cutting	Cut/Color	Coloring	Satin Finish
Wheel	Epoxy Flap Wheel	Airway Bias Sisal Buff	Airway Cloth Sew Pleated Buff	Airway Cotton Buff	Non-woven Convolute Wheel
	Abrasive Mechanical Flap Wheel	Airway Open Double Cloth Bias Sisal Buff	Airway Cloth Hot Pleated Buff	Airway MagnaFlex™ Non-woven Buff	Non-woven Flap Brush
Liquid Compound		8220	8765	8155	
Bar Compound		2433A	21 Deluxe	C-3	

Knives

	Pre-polish	Cutting	Cut/Color	Coloring	Satin Finish
Wheel	Epoxy Flap Wheel	Airway Bias Sisal Buff	Airway Polycotton Buff	Airway Cloth Hot Pleated Buff	Non-woven Convolute Wheel
	Abrasive Mechanical Flap Wheel	Airway Open Double Cloth Bias Sisal Buff	Airway Cotton Buff	Airway Cotton Buff	Non-woven Flap Brush
Liquid Compound		8220	8703	L339E	
Bar Compound		A-50	21 Deluxe	C3570	

Stainless Steel Sheet

	Pre-polish	Cutting	Cut/Color	Coloring	Satin Finish
Wheel	Epoxy Flap Wheel	Airway Bias Sisal Buff	Airway Cotton Buff	Airway Cotton Buff	Non-woven Convolute Wheel
Liquid Compound		8220	8703	8140	
Bar Compound		A-16	SS-51	C-3	



PRODUCT SELECTION

Non-ferrous Metal Polishing

Osborn's policy is to work with our customers to find the perfect solution for every polishing process, taking into account the shape and size of parts to be finished, the material in question and its original surface quality. We have outlined some typical application combinations, and starting points, as we work with you to identify the optimum process.

Sanitary Fittings—Robotic Process

	Cutting	Coloring	Satin Finish
Wheel	Airway Cloth Sew Pleated Buff	Airway Cotton Buff	Non-woven Convolute Wheel
	Airway Cotton Buff	Airway MagnaFlex™ Non-woven Buff	Non-woven Flap Brush
	Airway Cloth Hot Pleated Buff		Interleaf Flap Brush
Liquid Compound	8273	8700	
Bar Compound	D-18	BC4431	

Sanitary Fittings—Mush Polishing

	Cut/Color	Coloring
Wheel	Airway Cotton Buff	Airway Cotton Buff
	Airway MagnaFlex™ Non-woven Buff	Airway Cloth Hot Pleated Buff
Liquid Compound	8273	8700
Bar Compound	D-18	

Aluminum Door Handles

	Cutting	Cut/Color	Coloring	Satin Finish
Wheel	Airway MagnaFlex™ Non-woven Buff	Airway MagnaFlex™ Non-woven Buff	Airway Cotton Buff	Non-woven Convolute Wheel
	Airway Cotton Buff		Airway Cotton Buff	Non-woven Flap Brush
Liquid Compound	18-T	LT-44	8140	
Bar Compound	D-18	2B100	C-3	

Aluminum Trim (shower units, kitchens)

	Cutting	Cut/Color	Coloring	Satin Finish
Wheel	Airway Bias Sisal Buff	Airway Cotton Buff	Airway Cotton Buff	Non-woven Convolute Wheel
	Airway Open Double Cloth Bias Sisal Buff	Airway Cotton Hot Pleated Buff	Airway Cotton Hot Pleated Buff	Non-woven Flap Brush
		Airway Cloth Sew Pleated Buff		Interleaf Flap Brush
Liquid Compound	8775	LT-24	LC3567	
Bar Compound	D-18	884E	BC4431	

Contact us today! Our experts will be happy to look at your application and help you choose the right configuration. [osborn.com](https://www.osborn.com)



PRODUCT SELECTION

Precious Metal Polishing

Osborn offers the most extensive range of buffs and compounds in the market, and provides custom solutions for specific needs when standard products cannot fulfill the challenge.

Jewelry

	Pre-polish	Cutting	Cut/Color	Coloring	Satin Finish
Wheel	Sandshaper Airway Buff	Airway Bias Sisal Buff	Airway Cotton Buff	Airway MagnaFlex™ Non-woven Buff	Non-woven Convolute Wheel
		Conventional Sisal and Cloth/Sisal Disc	Airway Cloth Sew Pleated Buff	Airway Cotton Buff	Non-woven Flap Brush
		Conventional Sisal and Cloth/Sisal Disc	Airway Cloth Hot Pleated Buff	Conventional Cloth Buff	Interleaf Flap Brush
Liquid Compound		LT-24	8155	8609	
Bar Compound		SS-51	C-3	R3250	

Brass Musical Instruments

	Pre-polish	Cutting	Cut/Color	Coloring	Satin Finish
Wheel	Epoxy Flap Wheel	Airway Bias Sisal Buff	Airway Cotton Buff	Airway MagnaFlex™ Non-woven Buff	Non-woven Convolute Wheel
	Sandshaper Airway Buff	Conventional Sisal and Cloth/Sisal Disc	Airway Cloth Sew Pleated Buff	Airway Cotton Buff	Non-woven Flap Brush
		Conventional Sisal and Cloth/Sisal Disc	Airway Cloth Hot Pleated Buff	Conventional Cotton Buff	Interleaf Flap Brush
Liquid Compound		LT-44	8511	8700	
Bar Compound		C-3568	C-3570	R3250	

Medical

	Pre-polish	Cutting	Cut/Color	Coloring	Satin Finish
Wheel	Epoxy Flap Wheel	Airway Bias Sisal Buff	Airway Cotton Buff	Airway Cotton Buff	Non-woven Convolute Wheel
	Sandshaper Airway Buff	Conventional Sisal and Cloth/Sisal Disc	Airway Cloth Sew Pleated Buff	Airway MagnaFlex™ Non-woven Buff	Non-woven Flap Brush
		Conventional Sisal and Cloth/Sisal Disc	Airway Cloth Hot Pleated Buff	Conventional Cotton Buff	Interleaf Flap Brush
Liquid Compound		8220	8511	LC3788	
Bar Compound		A-16	BC4197	BC4857	

Dialux® Polishing Compound

Osborn is the manufacturer of the world-class range of Dialux® compounds. These small, individually packed bars are the product of choice for goldsmiths and watchmakers across the globe.



Dialux®	Precious Metals	Lubricant	Cut	Color
Yellow	Cutting compound for softer metals, plastics and resins	6	7	3
Black	Final finishing of silver	5	4	5
Gray	Good cutting compound, removes deeper scratches, refreshes stainless steel	5	4	5
White	Perfect for sterling silver, good reflection properties	5	4	5
Blue	All-rounder for a range of metals, especially silver	5	4	5
Green	Coloring hard alloys like white gold, platinum and silver	4	3	6
Red	Coloring compound mainly for gold	3	2	7
Gold	Highest super-finishing compound for all materials	2	2	9

Scale from 1 = Low to 10 = High



PRODUCT SELECTION

Wood and Plastic Polishing

Osborn knows that every set-up is different, whether finishing in one step or more, Osborn tools and compounds complement each other throughout the process.

Wooden Veneers

	Pre-polish	Cutting	Cut/Color	Coloring
Wheel	Garnet Abrasive Wheel	Airway Cloth Sew Pleated Buff	Airway Polycotton Buff	Airway CottonBuff
	Interleaf Flap Brush	Airway Cotton Buff	Airway Cloth Hot Pleated Buff	Conventional Cotton Buff
		Conventional Cotton Buff	Conventional Cotton Buff	
Liquid Compound		LT-44	6960	8140
Bar Compound		D-14	X-21W	WD-100

Household Products (bath accessories, shower parts)

	Pre-polish	Cut/Color	Coloring
Wheel	Epoxy Flap Wheels	Airway Cloth Sew Pleated Buff	Airway Cotton Buff
Liquid Compound		LT-44	8140
Bar Compound		D-5	X-21W

Injected Plastic Parts (subsequent plating or painting)

	Pre-polish	Coloring	Satin Finish
Wheel	Epoxy Flap Wheels	Airway Cotton Buff	Interleaf Flap Brush
Liquid Compound		6960	
Bar Compound		WD-100	

Wood Moldings (trim)

	Cutting
Wheel	Garnet Abrasive Wheel
	Interleaf Flap Brush

Contact us today! Our experts will be happy to look at your application and help you choose the right configuration.[osborn.com](https://www.osborn.com)



PRODUCT SELECTION

Chemical Cleaning Solutions

Osborn knows that every set-up is different, whether finishing in one step or more, Osborn tools and products complement each other throughout the process.

Chemical Cleaning

Product Name	Substrates	Buffing Compound	Soils			Temp Range	pH	Phosphate	Silicates	Notes
	S = Steel SS = Stainless BR = Brass, CU = Copper AL = Aluminum CI = Cast Iron P = Plastic		H ₂ O Sol.	Straight	Chlorinated					
SP-52L	S, SS	Good	Good	Good	Good	130–180°F	13.5			Heavy duty ferrous spray cleaner
SP-48L	S, SS, BR, CU, AL	Good	Good	Good	Fair	130–180°F	13.0	X	X	General purpose spray cleaner good for aluminum
SP-771L	S, SS, BR, CU, AL	Good	Good		Fair	140–180°F	13.0		X	Buffing compound spray cleaner for aluminum
174L	S, SS, AL	Good	Fair		Fair	140–200°F	10.0			Concentrated soak cleaner to remove buffing compound
125L	S, SS, Cobalt	Good	Fair		Fair	135–170°F	10.0			Soak cleaner for prothesis parts to remove compound
RI-71	S	N/A	N/A	N/A	N/A	Ambient 160°F	10.0			Approximate 30 day rust protection
NRR-2000	S	Poor	Good	Good	Good	125–175°F	6.5			Designed to remove light rust and oxides on steel w/heat

Contact us today! Our experts will be happy to look at your application and help you choose the right configuration. [osborn.com](https://www.osborn.com)



Delivering on Value.

Osborn delivers value through premium quality products, respect for safety of our employees, customers and our unique ability to uncover cost-saving solutions while delivering on time.

With Osborn, you'll get innovative solutions that are backed by unmatched experience and reliable local support. Most importantly, you get a partner who knows how to help you **Finish. First.**

Contact Our Experts: polishing@osborn.com.

NOTES

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