

Abrasives Applications:



Deburring a tube end with a stem-mounted flap wheel. For those situations where a die grinder is the most appropriate tool for the job, flap wheels offer effective solutions for a wide variety of cleaning, deburring, blending, and finishing applications.



Removing saw marks from a cut end of stainless bar with a blending disc. When more aggression is required for removing deeper tool marks or surface imperfections, blending discs offer a solution.

Blending welds with a Cyclone flap disc. By layering pieces of coated abrasive cloth onto a phenolic backing, Anderson's Cyclone and Cyclone Xtreme flap discs provide both a high rate of material removal and a smooth finish. These characteristics are maintained throughout the life of the disc because the flaps break down during use to constantly expose fresh, sharp abrasive grains.



Removing heat discoloration from a stainless sheet with an Anderlex surface prep disc. These are effective tools for removing oxides, residue, and discoloration from sheet metal after welding.



Blending

Ideal for removing tool marks, surface imperfections, parting lines, and sharp edges.

Anderson's line of specialty abrasives includes a wide assortment of both coated and non-woven products to allow the user to find the product that is right for their job.

Cleaning

From removing oxidation on the surface of precious metals to removing mill scale from steel, selecting an abrasive product for surface cleaning can be difficult. Call our Application Engineers at 800-553-2371.

Deburring

The variety of materials being used in fabrication and manufacturing and the cutting, machining, and grinding operations that are being performed on them result in burrs that range in size from microscopic to gigantic. When a specialty abrasive is the most appropriate solution for a deburring problem, Anderson offers the products and the expertise to help you find the most effective one.

Finishing

Whether one is looking to achieve a specific measurable surface roughness or just to create the right decorative finish, Anderson offers a solution.

Weld Blending

Cyclone flap discs offer users who are blending welds the most effective product for their abrasive dollar. Anderson offers a complete line of high value, zirconium grain flap discs.

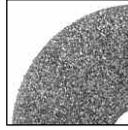
Cyclone™ Coated Abrasive Flap Discs

Grind & finish in one step! Flap discs do the work of both a grinding wheel and a resin fiber disc, thus eliminating the two-step finishing process. The layered abrasive flaps permit constant exposure of new grain for a uniform finish and long life.

Flap Disc Construction



Flap Disc:
As the abrasive cloth flaps slowly wear down, new sharp abrasive grain is constantly exposed, producing a consistently high cut rate throughout the life of the flap disc.



Resin Fiber Disc:
The cut rate of a resin fiber disc diminishes rapidly because, as the disc wears, no new abrasive grain is exposed.

Flap Disc Selection Guide

Application Requirement		Flap Disc Type
High cut rate and long life	Maximum aggression	Cyclone Flap Disc Angled (Type 29) - Page 43
	Smooth grinding	Cyclone Flap Disc Flat (Type 27) - Page 43
Increased conformability on contoured parts; longer life; minimized gouging on value-added parts	Maximum aggression	Cyclone Xtreme Flap Disc Angled (Type 29) - Page 44
	Smooth grinding	Cyclone Xtreme Flap Disc Flat (Type 27) - Page 44
Stainless steel, aluminum and other hard-to grind metal applications	Smooth grinding	Cyclone Xtreme Ceramic Flat (Type 27) - Page 44
High flexibility; non-marking backing	Maximum Aggression	Trimable Flap Disc Angled (Type 29) - Page 43

Grain Selection Guide

Requirement	Grain Type
Maximum material removal	Coarse Grits
Achieve desired finishes	Fine Grits

Backing Selection Guide

Requirement	Grain Type
Prevents backing from scratching the work-piece during operation	Phenolic
Trimable, non-marking backing; allows access to hard-to-reach angles	Composite

Cyclone Coated Abrasive Resin Fiber Discs

Our discs are coated with abrasive grains and bonded with a tough, heat-resistant resin. This results in a durable, cool and fast cutting action. Use Anderson resin fiber discs on all types of metal for grinding and blending applications.

Cyclone Coated Abrasive Flap Wheels

Anderson flap wheels are made with high quality aluminum oxide abrasive resin bond cloth for fast, aggressive cutting action and smooth operation.

The flexibility of our flap wheels makes them an excellent tool for blending and finishing flat and slightly contoured surfaces. Anderson flap wheels are used in both production and maintenance grinding, finishing and deburring operations.

The stem-mounted wheels are used in manual operations on portable tools and provide consistent aggressive action in hard-to-reach areas and flat surfaces.

The unmounted wheels are used on bench grinders and other machinery and provide controlled grinding, finishing and deburring action on machined parts and flat surfaces.

Abrasive flap wheels can be contoured to fit irregular surfaces in a variety of applications.

Anderlex® Non-Woven Abrasives

Anderlex Abrasives are made from a non-woven synthetic fiber mesh impregnated throughout with abrasive grain and bonded with heavy-duty resins. This open-mesh construction permits even dispersment of grain throughout the web. The result is a cushion-like abrasive product that continually exposes new sharp grain as the old material wears away. The open structure prevents loading. The fiber used in Anderlex is synthetic and waterproof so it will not rust or contaminate metal. They can be used wet or dry. These products are designed for cleaning and producing finishes on ferrous and non-ferrous metals, glass, wood, ceramics and other surfaces.

Application Assistance

Call Us Toll-Free!
800-553-2371

Anderson will help lower your production costs!

Just call our toll-free Application Hotline. Our Application Engineers are available 8:30am to 5:00pm EST, Monday - Friday. Our Engineers are equipped to recommend the best product or process to solve your specific application at the lowest cost-per-piece.

If your problem is too complex to handle over the phone, we'll arrange for an Application Engineer to do an in-depth study of your process *at your site - free of charge!*

See page 68 for our Application Assistance form.