



Science.
Applied to Life.™

3M Abrasive Systems Division

**Sanding
made simple.**

Introducing Sanding Made Simple.

For more than 100 years, 3M Science has provided technologies designed to make your life easier and improve the world — one finish at a time. 3M offers the most advanced technologies and processes in the industry — and a wide selection of sanding discs to tackle any job. With so many choices, *Sanding Made Simple* helps you choose the best disc to get the job done right.

It's easy, just:

1. Select your substrate



2. Choose your application



3. See your product recommendation

Now *that's* simple.

3M™ Clean Sanding for Superior Performance

Discs cut and last longer when dust isn't loading the cutting surface of the abrasives. And reducing dust is easier than ever with 3M™ Clean Sanding Discs. Featuring 3M-proprietary, precise multi-hole patterns, these discs can evacuate dust better than 5- or 6-hole products — dramatically increasing disc life and cut rate.



Metal

For stock removal, light weld blending and paint preparation of metal surfaces from carbon steel to aluminum.

Primary Industries:

- Equipment
- Construction
- Metal Fabrication
- Transportation



See selection guide on page 6.

All-Purpose



Premium: Best in class all-around performing disc whether for deburring, removing discoloration or preparing the surface for painting.

Good: All-around sanding disc for intermediate sanding steps of surface preparation.

3M™ Cubitron™ II Film Disc 775L

- Precision-shaped ceramic and aluminum oxide blend for fast cut rate and long life
- Film backing for greater durability



3M™ Film Disc 375L

- Aluminum oxide mineral for fast cut
- Film backing for greater durability



Aggressive Sanding



Aggressive sanding disc completes burr and weld removal and also finishes.

3M™ Paper Disc 763U

- Aluminum oxide and ceramic blend for fast cut rate and long life
- Heavier paper backing for tear resistance



Edges and Corners



Disc durable enough to handle sharp corners and edges while still providing a fast cut rate.

3M™ Cloth Disc 341D

- Heavier cloth backing to avoid edge wear



Composites and Coatings

For sanding on composite surfaces, fine sanding coatings such as gel coat or paint, coating removal and paint stripping.

Primary Industries:

- Marine
- Solid Surface
- Transportation
- Energy



See selection guide on page 6.

All-Purpose



Premium: Best in class all-around performing disc whether for removing sanding marks, removing coatings or retouching a coating.

Good: All-around sanding disc for intermediate sanding steps of surface preparation.

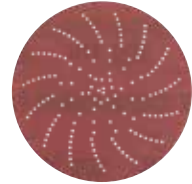
3M™ Cubitron™ II Film Disc 775L

- Precision-shaped ceramic and aluminum oxide blend for fast cut rate and long life
- Film backing for greater durability



3M™ Film Disc 375L

- Aluminum oxide mineral for fast cut
- Film backing for greater durability



Finishing



Disc for surface finishing for gel coat applications.

3M™ Film Disc 360L

- Aluminum oxide mineral for long life
- Film backing for durability
- Non-stearated disc



Edges and Corners



Disc durable enough to handle corners and edges while still providing flexibility.

3M™ Cloth Disc 900DZ

- Ceramic mineral for fast cut
- Durable cloth backing minimizes edge wear while still providing flexibility



Wood

For stock removal, blending and finishing on solid wood and wood-based materials.

Primary Industries:

- Furniture
- Cabinetry
- Millwork



See selection guide on page 6.

All-Purpose



Premium: Best in class all-around performing disc whether for removing sanding marks or preparing surface for painting.

Good: All-around sanding disc for intermediate sanding steps of surface preparation.

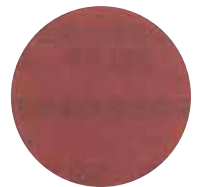
3M™ Cubitron™ II Paper Disc 732U

- Precision-shaped ceramic and aluminum oxide blend
- C wt paper backing provides durable foundation



3M™ Film Disc 375L

- Film backing for durability and uniform finish
- Aluminum oxide mineral for fast cut



Fine Finish



Finest finishing disc for preparing the surface for staining or creating a high quality final smooth surface.

3M™ Paper Disc 426U

- Silicon carbide mineral for fine and consistent finish
- Light weight paper backing for greater conformability



Edges and Corners



Disc durable enough to handle corners and edges while still providing flexibility.

3M™ Cloth Disc 900DZ

- Durable cloth backing minimizes edge wear while still providing flexibility
- Ceramic mineral for fast cut



Abrasives Selection Guide

3M ID	Substrate			Technical Specs				Form Availability*	Standard Grade Availability**																												
	Wood	Metal	Composites	Mineral	Backing	Backing Weight	Anti-Loading Coating		24	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500							
Cubitron™ II 775L	●	●	●	Precision-Shaped Ceramic & Aluminum Oxide	Film	3 mil	✓	S,H,CS						+	+	+	+	+	+		+	+															
Cubitron™ II 732U	●	●	●	Precision-Shaped Ceramic & Aluminum Oxide	Paper	C	✓	S,H,CS						+	+	+	+	+																			
763U		●	●	Aluminum Oxide & Ceramic	Paper	F		S,H,CS					A	A	P	P																					
426U	●		●	Silicon Carbide	Paper	A	✓	S,H,CS						A	A	A	A	A	A	A	A	A		A													
375L	●	●	●	Aluminum Oxide	Film	5 mil	✓	S,H,CS						A	P	P	P	P	P	P	P		P	P													
						2.2 mil																															
341D		●		Aluminum Oxide	Cloth	X		S	A		A	A	A	P	P		P																				
360L			●	Aluminum Oxide	Film	3 mil		S,H,CS											P	P	P	P		P	P	P	P	P									
900DZ	●	●	●	Ceramic	Cloth	J		S,H,CS					A	A	P	P	P	P																			
236U	●	●	●	Aluminum Oxide	Paper	C	✓	S,H,CS						P	P	P	P	P	P			P		P	P												

* Form Availability
 S = 3M™ Stikit™ Disc
 H = 3M™ Hookit™ Disc
 CS = 3M™ Clean Sanding Disc

** Standard Grade Availability
 A = ANSI (American National Standards Institute) grades
 P = FEPA (Federation of the European Producers of Abrasives) grades
 + = 3M™ PSG (Precision-Shaped Grain) grade

And Don't Forget... All-Purpose, All Applications

Multi-purpose discs for a wide range of sanding applications.

3M™ Paper Disc 236U

- Aluminum oxide on a C wt paper backing
- Durable, tear resistant backing





3M™ Random Orbital Sanders — Elite Series

We took our best line of air-powered 3M™ Random Orbital Sanders and made it even better.

- Exclusive 3M™ Gripping Material
- Extended, curved wrist rest for more support
- Recessed lever, eliminating pinch points
- Internal muffler won't break off and decreases noise by as much as 6 dB
- Durable composite cover helps prevent cracked housings
- Improved dust collection port



Complete the 3M System with a Random Orbital Sander

Select the orbit that's right for your project.

3/8" Diameter Orbit
most aggressive sanding



Gold – 3/8"

5/16" Diameter Orbit
aggressive sanding



Black – 5/16"

3/16" Diameter Orbit
general purpose sanding



Silver – 3/16"

3/32" Diameter Orbit
fine finish sanding



Chrome – 3/32"

Lever indicates orbit diameter.

Tech Tip

Start on... Stop off... A simple rule of thumb to prevent unnecessary swirl marks on the work surface. Start the sander on the work surface, stop the tool as it is removed from the work surface. For best results, operate tool at 90 PSI air pressure.



Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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