

# Random orbital sanding guide

Abrasive discs and system solutions



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Focus on the health and safety of your workers

Match the right backup pad to enhance sanding disc performance

Find the best abrasive for the job

Choose the tool to optimise the system

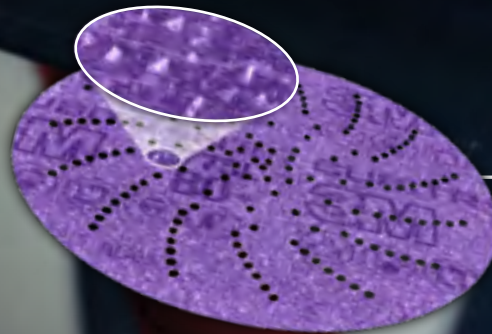
In random orbital sanding, it's all about putting together the optimal system.



**CUBITRON™ II**  
Industrial Abrasives

## High-performance 3M™ Cubitron™ II Abrasives

3M™ Cubitron™ II Abrasives are designed with revolutionary 3M Precision-Shaped Grain technology. As the grain wears, it continuously fractures to form sharp points and edges that slice through material, wear evenly and provide super-long life and consistency.



 710W	 775L
Net	Film
 732U	 900DZ
Paper	Cloth

## Revolutionary sanding technology. Designed with 3M Precision-Shaped Grain.

Our line of 3M™ Cubitron™ II Premium Series abrasives is designed with the exclusive 3M Precision-Shaped Grain technology, providing industry leading cut rate and prolonged abrasive life for a variety of applications and substrates.

- ▶ Industry-leading cut rate – **up to 2x faster cut<sup>2</sup>** than conventional abrasives
- ▶ Engineered to require less pressure
- ▶ Up to **99% dust extraction<sup>1</sup>**
- ▶ Discs **last up to 6x longer<sup>3</sup>** than conventional abrasives
- ▶ Consistent, quality finish for less rework
- ▶ 3M™ Hookit™ attachment system

Last up to  
**6x Longer<sup>3</sup>**  
than conventional abrasives



# Dust is a problem.

## Airborne particles

The creation of airborne particles is inherent in most abrasive processes. The composition and physical cross section (quantity and distribution of particles sizes) depends on the workpiece and the properties of the abrasive product being used.

**Airborne particles are hazardous to operators** through contact with exposed skin or eyes and especially by inhalation.

**Extremely fine airborne particles can be particularly hazardous**, as they are often invisible to the naked eye and are more easily absorbed into lungs and respiratory tracts, leading to long-term health risks.



## Why dust extraction matters.



**Shop cleanliness**  
Shop environment and operator satisfaction



**Productivity / rework**  
Impacts cycle time



**Health and safety**  
Increase focus on operator health

## Sanding discs cut better and last longer when dust isn't loading the cutting surface of the abrasives.

Dust extraction capability is influenced by several factors.

- ▶ Number of holes in abrasive disc
- ▶ Type of vacuum
- ▶ Power of the vacuum
- ▶ Volume of swarf
- ▶ Consistent pneumatic air supply
- ▶ Shape of workpiece

With the right tools  
delivers up to

**99%<sup>1</sup>**

dust extraction



# Xtract™

Clean Sanding Solutions

## 3M Xtract™ Clean Sanding Solutions

Imagine a cleaner workspace, where sanding is virtually dust-free and performance and dust extraction are not compromised. Now that's possible.

As you sand, any dust produced is easily pulled through the net backing, continuously extracting and collecting into the vacuum system.

## Cut the dust. Full system solution.

### Tools designed for ease of use.

Introducing a new line of tools and accessories designed for ease of use and optimal dust extraction. So that you don't have to compromise high performance for dust management.

- ▶ Designed to be quieter, lighter and easier to operate
- ▶ Virtually dust-free working environment for easy cleanup
- ▶ Helps reduce dust exposure
- ▶ Pneumatic and electric tool options available
- ▶ Portable dust extractor designed for cleaner work through mobile collection



3M Xtract™ tools attach to a filter bag or dust extraction unit, so you'll have little to no additional cleaning to do after the job is done.



For more information about the 3M Xtract™ Portable Dust Extractor

[Click here ▶](#)

# Sanding made simple ▶ Always have these in your bag



## Premium series

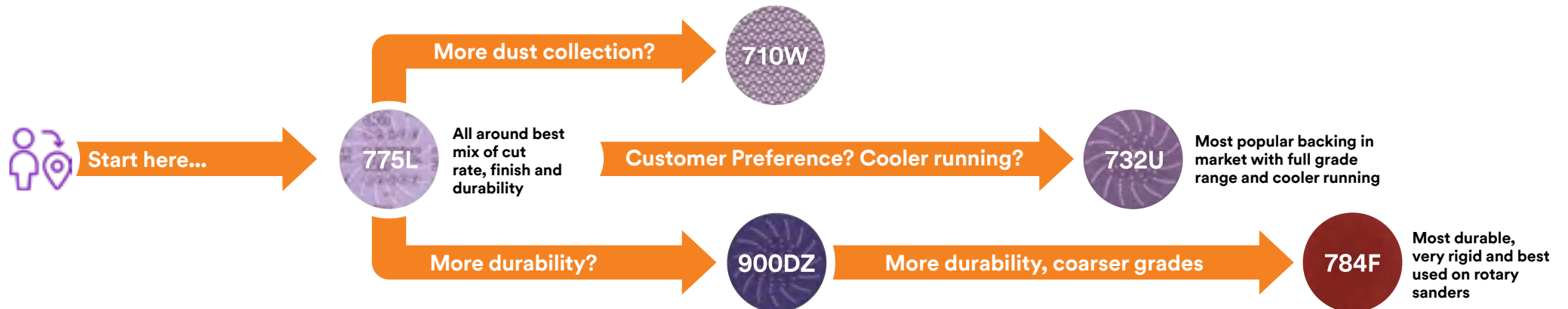
For quality and growth-minded sanding process owners, who are focused on optimisation, product performance, and are continuously looking to improve their operations.

## Advanced series

For the sanding process owner looking for improved performance over a standard product and a wider grade range than the PSG Premium series.

Lighter backing		Heavier backing			
Net	Paper	Film	Cloth		
<ul style="list-style-type: none"> <li>• Best dust extraction</li> <li>• Flexible and conformable</li> <li>• Tear resistance similar to C-wt paper</li> </ul> <p><b>710W</b></p> <ul style="list-style-type: none"> <li>▶ Contains precision-shaped grain</li> <li>▶ Net backing</li> <li>▶ 80+ to 320+</li> </ul>	<ul style="list-style-type: none"> <li>• Most common backing</li> <li>• Good flexibility</li> </ul> <p><b>732U</b></p> <ul style="list-style-type: none"> <li>▶ Contains precision-shaped grain</li> <li>▶ C-wight paper</li> <li>▶ 80+ to 1000+</li> </ul>	<ul style="list-style-type: none"> <li>• Great durability, tear resistance and flexibility</li> <li>• Best for a uniform, consistent finish</li> </ul> <p><b>775L</b></p> <ul style="list-style-type: none"> <li>▶ Contains precision-shaped grain</li> <li>▶ 3 mil film</li> <li>▶ 80+ to 1000+</li> </ul>	<ul style="list-style-type: none"> <li>• Best durability and tear resistance</li> <li>• Best for coarse grade sanding or heavy stock removal</li> </ul> <p><b>900DZ</b></p> <ul style="list-style-type: none"> <li>▶ Contains precision-shaped grain</li> <li>▶ J-weight cloth</li> <li>▶ 40+ to 320+</li> </ul>	<p><b>784F</b></p> <ul style="list-style-type: none"> <li>▶ Contains precision-shaped grain</li> <li>▶ X-weight cloth</li> <li>▶ 36+ to 120+</li> </ul>	
<p><b>310W</b></p> <ul style="list-style-type: none"> <li>▶ Contains Al Ox mixed with PSG</li> <li>▶ Net backing</li> <li>▶ 80+ to 320+</li> </ul>	<p><b>236U</b></p> <ul style="list-style-type: none"> <li>▶ Contains Aluminium Oxide</li> <li>▶ C-wight paper</li> <li>▶ 80+ to P500</li> </ul>	<p><b>375L</b></p> <ul style="list-style-type: none"> <li>▶ Contains Aluminium Oxide</li> <li>▶ 3 mil film</li> <li>▶ 60 to P2000</li> </ul>	<p><b>726A</b></p> <ul style="list-style-type: none"> <li>▶ Contains Al Ox mixed with PSG</li> <li>▶ J-weight backing</li> <li>▶ 60+ to 320+</li> </ul>		









## How to sell decision tree



# Random orbital sanding portfolio





The entire 3M portfolio

## Film backed sanding discs

 <b>568XA*</b> Specialised applications	 <b>268L*</b>	 <b>360L*</b>	 <b>375L*</b>
<ul style="list-style-type: none"><li>▶ Cerium Oxide on 3 mil film</li><li>▶ Constructed for high gloss, semi gloss and acrylic solid surface applications</li></ul>	<ul style="list-style-type: none"><li>▶ Aluminium Oxide on 3 mil film</li><li>▶ Works well on sealer sanding, primer and e-coat scuff applications</li></ul>	<ul style="list-style-type: none"><li>▶ Aluminium Oxide on 3 mil film</li><li>▶ Ideal for composite, primer and gelcoat applications where finish is crucial</li></ul>	<ul style="list-style-type: none"><li>▶ Aluminium Oxide on 3 mil film</li><li>▶ A multi-purpose value disc where finish and durability are musts</li></ul>
 <b>268XA*</b> Specialised applications	 <b>366L</b>	 <b>775L</b>	 <b>675L</b> Specialised applications
<ul style="list-style-type: none"><li>▶ Microreplicated abrasive on 3 mil film</li><li>▶ Used in a variety of solid surface and AOEM tier prep for paint applications</li></ul>	<ul style="list-style-type: none"><li>▶ Aluminium Oxide on 3 mil film</li><li>▶ A versatile disc that delivers in paint removal, prep for paint and solid surface finishing</li></ul>	<ul style="list-style-type: none"><li>▶ Precision Shaped Grain on 3 mil film</li><li>▶ The go-to choice for all applications that require premium performance</li></ul>	<ul style="list-style-type: none"><li>▶ Diamond abrasive on 5 mil film</li><li>▶ Designed for finishing on hard materials and can be used for coating removal and prep</li></ul>



## Paper backed sanding discs

 <b>426U</b>	 <b>236U</b>	 <b>732U</b>	 <b>950U</b>
<ul style="list-style-type: none"><li>▶ Silicon carbide is ideal for general purpose sanding on wood, metal, plastic, dry wall, fiberglass, glass, clear coat and ceramic</li><li>▶ Anti-loading coating and open coat construction minimise loading</li><li>▶ A-weight paper flexes with the backup pad</li></ul>	<ul style="list-style-type: none"><li>▶ Aluminium Oxide on C-weight paper</li><li>▶ The multi-purpose, multi application value disc</li></ul>	<ul style="list-style-type: none"><li>▶ Precision-Shaped Grain on C-weight paper</li><li>▶ A premium choice for all applications that require fast cut and long life</li></ul>	<ul style="list-style-type: none"><li>▶ Precision Shaped Grain on E-weight paper</li><li>▶ A premium choice for all applications that require fast cut and long life</li></ul>



# Random orbital sanding portfolio

The entire 3M portfolio

## Cloth backed sanding discs



**900DZ**

- ▶ Precision-shaped grain on J-weight cloth
- ▶ Top performer for applications requiring fast cut, wear resistance and flexibility
- ▶ 40+ to 320+ grits



**947A**

- ▶ Precision-shaped grain on X-weight cloth
- ▶ A premium choice for for stainless steel applications requiring a durable disc
- ▶ 40+ to 120+ grits



**784F**

- ▶ PSG blend mineral helping increase productivity
- ▶ YF weight (36+ - 80+) and XF (120+) cloth backing is extra tough and a good match for the most aggressive sanding applications
- ▶ 36+ - 120+ grits

Lighter backing

Heavier backing

## Non-woven finishing discs

Use on irregular, rounded work surfaces requiring a highly conformable abrasive. Load resistant and good for imparting a bright final finish.



**Scotch-Brite™ Hookit™ 7448 PRO**

- ▶ Non-woven with silicon carbide
- ▶ For light cleaning, blending and scratch refinement on metal and solid surfaces



**Scotch-Brite™ Hookit™ 7447 PRO**

- ▶ Non-woven with aluminium oxide
- ▶ For cleaning, scuffing, and finishing on metals and plastic substrates



**Scotch-Brite™ Hookit™ Cut & Polish**

- ▶ Non-woven with aluminium oxide
- ▶ For heavier non-woven blending applications where fast scratch removal is required



**Scotch-Brite™ Hookit™ Clean & Finish**

- ▶ Non-woven with silicon carbide
- ▶ For light cleaning and blending on metal substrates



**Scotch-Brite™ Hookit™ Production Clean & Finish**

- ▶ Non-woven with aluminium oxide
- ▶ For a uniform finish prior to coating primer, metal and solid surfaces



**Scotch-Brite™ Hookit™ Production Clean & Finish**

- ▶ Non woven with precision-shaped grain
- ▶ For faster cut and longer life

Lighter backing

Heavier backing

## Net backed sanding discs

For a variety of sanding applications. Flexible, more durable backing. High performance and a virtually dust-free finish.



**310W**

- ▶ Blend of precision-shaped grain and aluminium oxide
- ▶ Heavy, medium, and lightweight net backing
- ▶ A cost-efficient disc good for coating removal and surface refining



**710W**

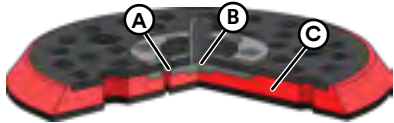
- ▶ Precision-shaped grain
- ▶ Medium and lightweight net backing
- ▶ A premium disc for a variety of sanding applications and multiple substrates

Lighter backing

Heavier backing

# Sanding system solutions

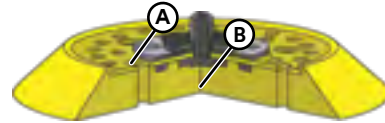
## Select the right backup pad.



### Low profile design

Firm red foam for stock removal and leveling. Also available in black.

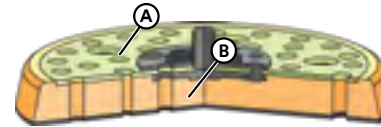
- ▶ Most aggressive



### Standard design

Tapered edge and medium yellow foam for blending and feather edging.

- ▶ General purpose



### Low profile finishing design

Soft beige foam for better finish and conformance.

- ▶ Best finish

- A** One piece stud design for improved balance and reduced vibration
- Colour-coded pads with customised features make it simpler to achieve the exact finish desired
- B**
- Upgraded hole placement for clean sanding pads for the ultimate in dust extraction
- C**

More aggressive



Firm

Medium

Soft

Less aggressive

## Select the right tool.

- Available in 75mm, 125mm and 150mm diameters
- Can be used with 3M™ Hookit™ and 3M™ Stikit™ backup pads



### 3M Xtract™ Pneumatic Random Orbital Sanders

Ideal product for dust extraction solutions where pneumatic air lines are present.



### 3M™ Pneumatic Random Orbital Sanders

For work environments where dust extraction is not required.

## Factors affecting performance checklist.

### Abrasive

- Follow basic sanding technique
- Frequently inspect discs for tears, folds or loading
- Make sure work surface is debris-free before moving on to finer grade disc

### Backup pad

- Match backup pad to the job (i.e., low profile for stock removal)
- Confirm that tool and disc pad are the same diameter
- Inspect for damaged pad – adhesion loss, worn foam
- If increased conformability is needed attach a 3M foam interface pad

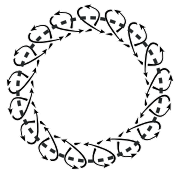
### Tool

- Check tool lubrication schedule (1–3 drops of tool lubricant daily is recommended)
- Ensure that the speed control adjusted to the maximum
- Test that the lever is undamaged and muffler is not clogged

### Air pressure

- Check your gauge to make sure tool is running at 6.2 bar / 90 PSI
- Use minimum length of air hose necessary – check local regulations
- Ensure inside air line diameter is at a minimum 9mm
- Check airline fittings: 7mm is best, 4.8mm is marginal

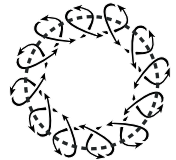
# Select the right orbit.



**2.5mm diameter orbit chrome lever**  
Fine finish sanding

### Why choose 2.5mm orbit?

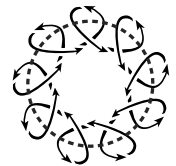
- To use with finer grades
- Least amount of stock removal



**5mm diameter orbit silver lever**  
General purpose sanding

### Why choose 5mm orbit?

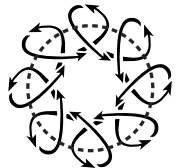
- Most commonly used orbit pattern
- Good balance of stock removal and finish



**8mm diameter orbit black lever**  
Aggressive sanding\*

### Why choose 8mm orbit?

- More stock removal needed than 5mm orbit
- Not as aggressive as 10mm orbit



**10mm diameter orbit gold lever**  
Most aggressive sanding\*

### Why choose 10mm orbit?

- Most aggressive stock removal
- Good for large area sanding or if high cut rate is needed

\*Not recommended for woodworking applications

## Material removal

After sanding with 775L 80+ for 30 seconds on a painted panel

**Finer finish/Lower cut**

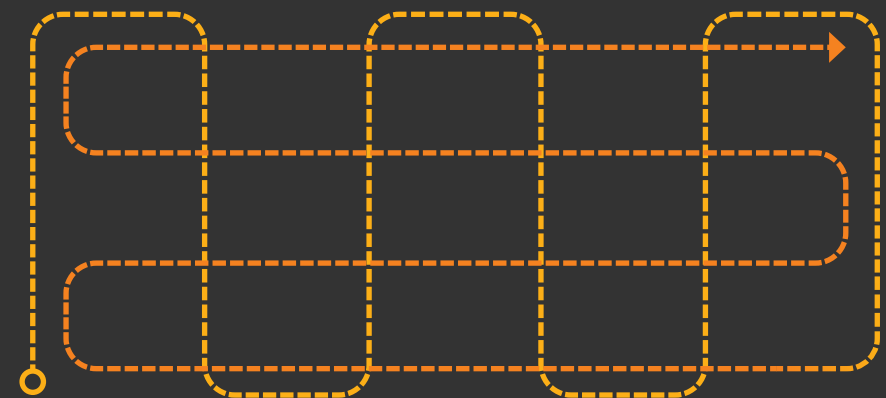
- ▶ Scuffed clear coat

**Coarser finish/increased cut**

- ▶ Removes clear coat
- ▶ colour coat
- ▶ primer
- ▶ e-coat to bare metal








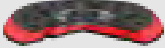















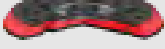






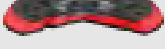



















## Basic sanding technique.

- 1 Start the sander ON the surface and stop OFF the surface. This will help to avoid swirl marks.
- 2 Apply light hand pressure on the tool and allow the backup pad to orbit freely. Let the tool do the work.
- 3 Run the tool flat on the work piece to prevent gouging.
- 4 Follow a set pattern when sanding. This ensures that previous scratches are removed and a uniform finish is reached.



# Application guide

The 3M recommendations below are starting points for the ideal system solutions. Be sure to conduct trials to find the right system for the application.

Application	Lead with disc	Alternative discs	Common grades	Suggested backup pad	Suggested tool orbit	Process
Primer sanding		 	180 – 600	Low profile finishing 	3/16" (5 mm)	Sanding workpiece for consistent scratch prior to paint
Coating removal		 	80 – 240	Red low profile 	3/8" (10 mm)	Removing coatings from workpiece prior to application of primers and paints
Surface refining/ flattening		 	80 – 220	Red low profile 	3/16" (5 mm)	Smoothing and leveling workpiece prior to paint for consistent paint adhesion
Deflashing plastic		 	60 – 120	Red low profile 	3/16" (5 mm)	Removing excessive plastic flash by knocking off sharp edges
Gelcoat sanding		 	240 – 1000	Low profile finishing 	3/16" (5 mm)	Flattening or removing defects in gelcoat while refining for following buff and polish or paint step
Removing parting lines		 	180 – 320	Red low profile 	3/16" (5 mm)	Removing raised lines in manufacturing to blend surface geometry
Shaping			36 – 220	Yellow standard 	5/16" (8 mm)	Incremental steps of cutting and shaping refinement for composite fabrication
Whitewood sanding		 	150 – 220	Red low profile 	3/16" (5 mm)	Leveling or smoothing wood surface and removing machining marks from saw cuts or routers
Sealer sanding		 	180 – 400	Low profile finishing 	3/32" (2.5 mm)	Leveling orange peel and scuffing for adhesion of next layer of coatings or finish
Prep for paint on metal		 	60 – 180	Red low profile 	3/16" (5 mm)	Refining a fibre disc scratch used in stock removal for an even scratch prior to paint
Removing handling scratches		 	80 – 120	Red low profile 	5/16" (8 mm)	Identifying defects in metal parts caused by upstream handling
Edge deburring			60 – 120	Yellow standard 	5/16" (8 mm)	Removing sharp edges on sheared metal
Prep for polish		 	600 – 2000	Red low profile 	3/32" (2.5mm)	Levelling orange peel and paint defects to refine surface prior to compound and polish

For applications needing a bright final finish, follow up with a Scotch-Brite™ Nonwoven finishing disc.

# 3M Xtract™ Cubitron™ II Sanding System

## Create a safer and cleaner workspace

Sanding debris is removed directly from the workpiece as an operator sands with the system. With a convenient and efficient dust free system, the work environment is cleaner and more comfortable for all workers.

## Improve sanding disc performance

A disc loads less when the dust it generates is vacuumed away. Less loading means more of the disc's abrasive surface is in direct contact with the workpiece. More direct disc contact provides better cut rate and less disc loading equals longer life.

## Save time and money on abrasives and improve productivity

With longer life and a faster cut rate, less discs are used to complete a job. Not only can disc consumption be reduced, each job can be done faster, improving a shop's overall productivity.

3M Xtract™ sanding abrasive disc



+

Clean sanding backup pad



+

3M Xtract™ Pneumatic Random Orbital Sanders



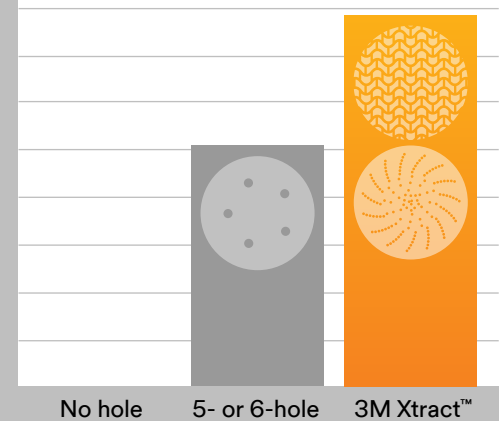
## 3M Xtract™ vs. no hole

After sanding on cured gelcoat for 30 seconds, the 3M Xtract™ disc has not loaded. This means a longer abrasive disc life.

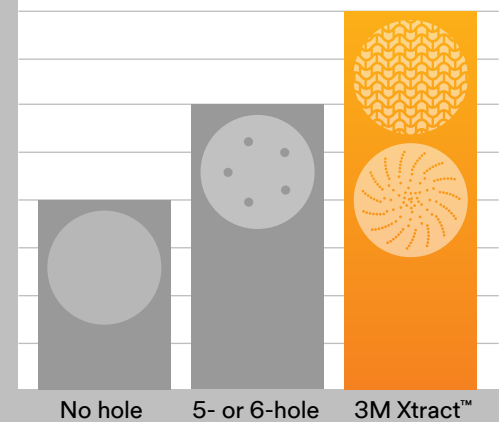


3M Xtract™ discs remove more dust and last longer than 5- and 6-hole discs of a similar diameter.

Dust extraction






Disc life



Test results are based on dry sanding applications. Results will vary by application, material being sanded and tool used.

# Availability guide: sanding made simple

-  = 3M™ Cubitron™ II or precision-shaped grain grade
-  = ANSI (American National Standards Institute) grades
-  = FEPA (Federation of the European Producers of Abrasives) grades

► Always have these in your bag

		Grade																							
		24	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	
Premium series	710W	Net	3M™ Hookit™	3M Xtract™ Clean Sanding																					
	775L	Film	3M™ Hookit™	No hole																					
				3M Xtract™ Clean Sanding																					
			3M™ Stikit™	No hole																					
	732U	Paper	3M™ Hookit™	No hole																					
3M Xtract™ Clean Sanding																									
3M™ Stikit™			No hole																						
900DZ	Cloth	3M™ Hookit™	No hole																						
			3M Xtract™ Clean Sanding																						
		3M™ Stikit™	No hole																						
Advanced series	310W	Net	3M™ Hookit™	3M Xtract™ Clean Sanding																					
	360L	Film	3M™ Hookit™	No hole																					
				3M Xtract™ Clean Sanding																					
			3M™ Stikit™	No hole																					
	375L	Film	3M™ Hookit™	No hole																					
				3M Xtract™ Clean Sanding																					
			3M™ Stikit™	No hole																					
	726A	Cloth	3M™ Hookit™	No hole																					
				3M Xtract™ Clean Sanding																					
			3M™ Stikit™	No hole																					
236U	Paper	3M™ Hookit™	No hole																						
			3M Xtract™ Clean Sanding																						
		3M™ Stikit™	No hole																						

# 3M Full range disc options

Backing	3M ID	Weight	Mineral	Grinding aid or searate	Attachment			Grade																					
					3M <sup>™</sup> Sstikit <sup>™</sup>	3M <sup>™</sup> Hookit <sup>™</sup>	PSA	24	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500
Net	710W	Net	PSG							▲		▲	▲	▲	▲	▲		▲											
	310W	Net	PSG/AO							▲		▲	▲	▲	▲	▲		▲											
Cloth	900DZ	J	PSG		•	•				▲		▲	▲	▲	▲			▲											
	947A	X	PSG	✓		•				▲		▲	▲	▲	▲														
	784F	YF	PSG		•	•				▲		▲	▲	▲	▲														
Paper	732U	C	PSG	✓	•	•				▲		▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	763U	F	C/AO		•	•				▲		▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	426U	A	SC	✓	•	•				▲		▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	401Q	A	SC			•	•																						
	236U	C	AO	✓	•	•																							
	216U	A	AO	✓	•	•																							
Film	775L	3 mil	PSG	✓	•	•				▲		▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	375L	5/3 mil	AO	✓	•	•				▲		▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	360L	3 mil	AO		•	•																							

Backing	3M ID	Weight	Mineral	Grinding aid or searate	Attachment	Micron grade																							
						220	180	150	125	120	100	80	74	60	50	45	40	30	20	15	9								
Film	675L	5 mil	D		•	•					125																		
	366L	3 mil	AO	✓	•	•						120	100	80															
	268L	3 mil	AO		•	•								100	80														

Backing	3M ID	Weight	Mineral	Grinding aid or searate	Attachment	3M <sup>™</sup> Trizact <sup>™</sup> grade															
						A300	A160	A100	A65	A45	A30	A16	A6	A5	None						
Cloth	337DC	X	AO	✓	•	•	A300	A160	A100	A65	A45	A30									
Cloth	237AA	X	AC		•	•		A160	A100	A80	A65	A45	A30				A16	A6			
Film	568XA	3 mil	CO		•	•															None
	268XA	3 mil	AO		•	•							A35			A20	A10	A5			

Backing	3M ID	Mineral	Attachment	Scotch-Brite <sup>™</sup> Grade
Non woven	3M <sup>™</sup> Finesse-it <sup>™</sup> Refining 3000	SC	3M <sup>™</sup> Hookit <sup>™</sup>	3000
	Scotch-Brite <sup>™</sup> 7448 Pro	SC		Ultra fine
	Scotch-Brite <sup>™</sup> Clean and Finish	SC		
	Scotch-Brite <sup>™</sup> 7447 Pro	AO		Very fine
	Scotch-Brite <sup>™</sup> Production Clean and Finish	AO		
	Scotch-Brite <sup>™</sup> Cut and Polish	AO		Medium

## Mineral

- AO = aluminium oxide
- C = ceramic
- CO = cerium oxide
- D = diamond
- PSG = precision-shaped grain
- SC = silicon carbide

## Grade

- ▲ = 3M<sup>™</sup> Cubitron<sup>™</sup> II or Precision-Shaped Grain
- ⓐ = ANSI (American National Standards Institute)
- Ⓟ = FEPA (Federation of the European Producers of Abrasives)

Product and grade availability subject to change.  
Visit [3M.com/Abrasives](http://3M.com/Abrasives) to confirm current product grade and form offering.

# 3M Xtract™ and 3M™ Cubitron™ II Random Orbital Sanding multipacks

Product	Type	Size		Discs / pack	3M ID	Grade*															
		In	mm			36	40	50	60	80	120	150	180	220	240	320	400	500	600	800	1000
710W	3M Xtract™ Hookit	5	125	12	7100288313					2	2		2	2	2	2					
		6	150	12	7100288312					2	2		2	2	2	2					
775L	3M Xtract™ Hookit	5	125	15	7010327612					3	3	3	3	3							
				15	7100145376									5	5	5					
				12	7100389839													3	3	3	3
		6	150	15	7100236652					3	3	3	3	3							
				15	7100233566										5	5	5				
				12	7100394086													3	3	3	3
732U	3M Xtract™ Hookit	5	125	15	7100230325					3	3	3	3	3							
				14	7100352830										2	2	2	2	2	2	2
		6	150	15	7100232736					3	3	3	3	3							
				14	7100352831											2	2	2	2	2	2
900DZ	3M Xtract™ Hookit	5	125	10	7100301568		2			2	2		2		2						

\* Number in grid denotes how many disc of each grade are in a pack

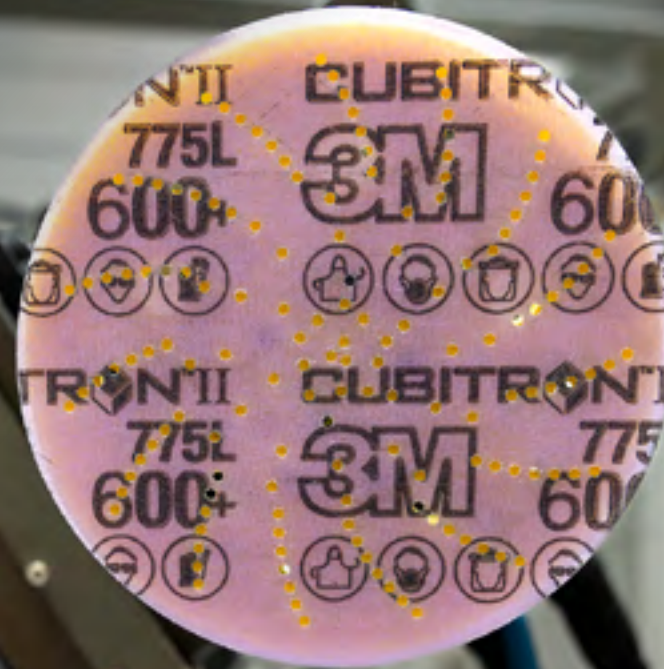


Discover the convenience of multipacks, where a selection of product grades are packaged in small quantities – making it easier to sample and explore our range of sanding solutions.



**3M™ Hookit™ Discs are applicable for robotic and automation applications.**

**Please find more info at:  
[3M.co.uk/robotic-abrasives](https://www.3m.co.uk/robotic-abrasives)**



**For more information visit:  
[3M.co.uk/Xtract](https://www.3m.co.uk/Xtract)**

#### Claims references

- <sup>1</sup> Up to 99% dust extraction: Determined by measuring captured dust through an automated sanding test using solid surface material. Percentage is measured by understanding total mass loss captured and not captured. 3M Xtract™ Self-Generated Vacuum Random Orbital Sander, part number 88946, was utilized for sanding and dust capture with 3M Xtract™ filter bag, part number 89137.
- <sup>2</sup> Cuts up to twice as fast: Compared to 3M Aluminium Oxide Abrasive Products. Results are based on total cut over four x ninety second cycles on an automated test with maple material using 5 inch / 127mm 80 grit discs and 3M Xtract™ Low Profile Finishing Back-up Pad 20290. End of life is defined as when the 3M disc cut rate drops to 75% of the initial cut rate of the conventional abrasive disc.
- <sup>3</sup> Lasts up to six times as long: Compared to 3M Aluminium Oxide Abrasive Products. Results are based total cut over twenty four x ninety second cycles on an automated test with maple material using 5 inch / 127 mm 180 grit discs and 3M Xtract™ Low Profile Finishing Back-up Pad 20290.

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