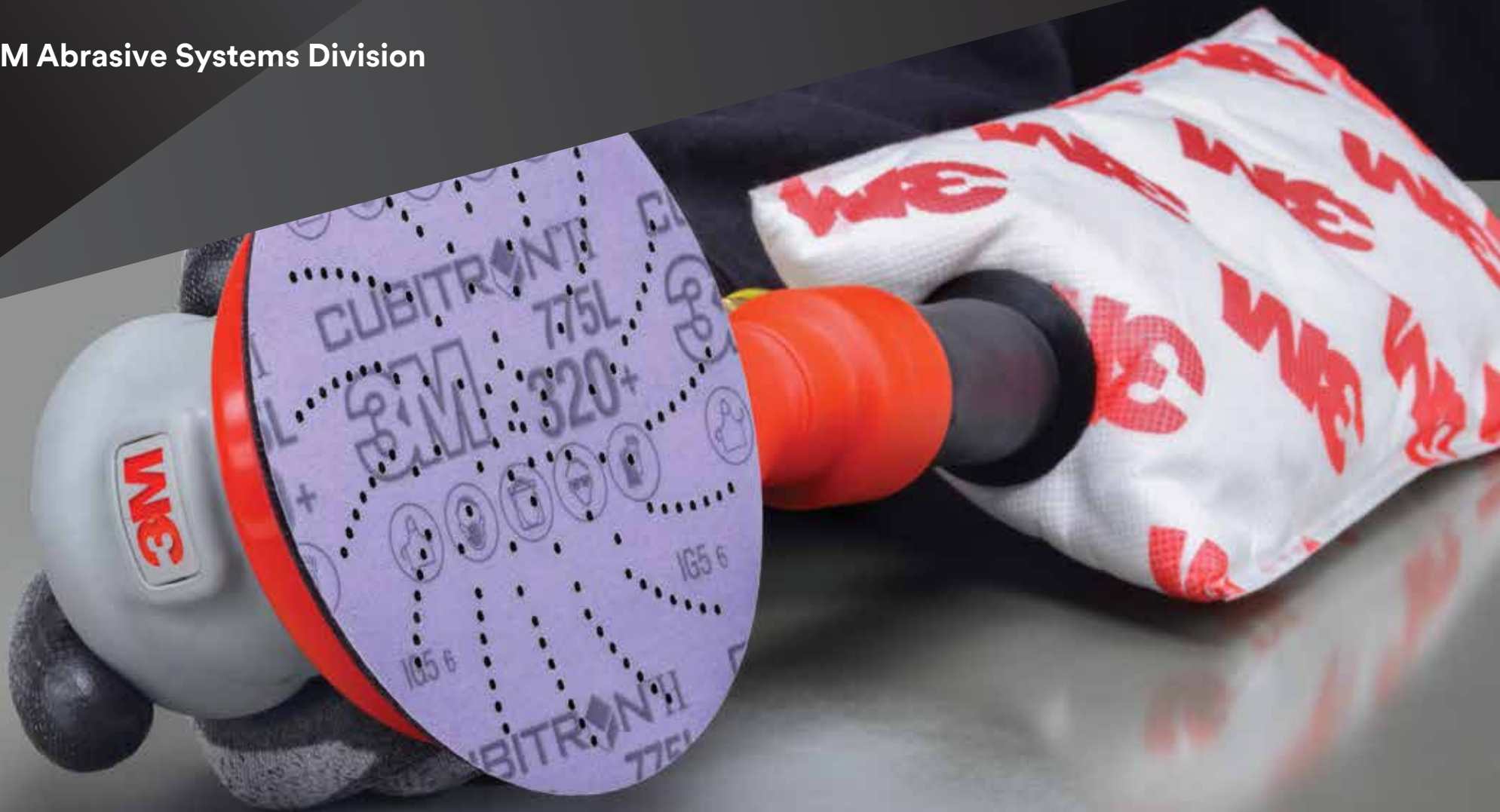


Random Orbital Sanding Guide

Abrasive Discs and System Solutions

3M Abrasive Systems Division



In Random Orbital Sanding,
it's all about putting together
the optimal system.

Here's how it's done:

Find the best abrasive disc for the job

Match with the right backup pad
to enhance sanding disc performance

Choose the random orbital sander
to optimize the system

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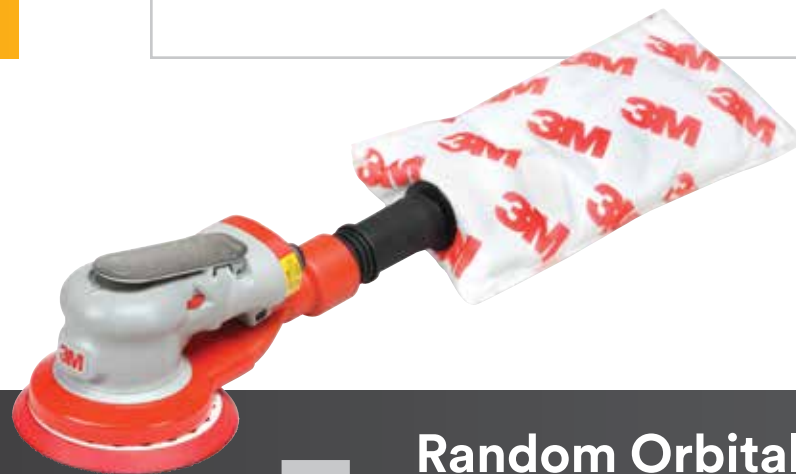
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Abrasive Disc



Backup Pad



Sander



**Random Orbital Sanding
Total System Solution**

Sanding Made Simple ► *Always have these in your bag*

Faster cut ► Better finish ► Longer life

Premium Series

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



3M™ Cubitron™ II Film Disc 775L

- Starting point for all applications
- Precision-shaped ceramic
- 3 mil film
- 80+ – 400+ grades



3M™ Cubitron™ II Paper Disc 732U

- Starting point for paper
- Precision-shaped ceramic
- C-weight paper
- 80+ – 220+ grades



3M™ Cubitron™ II Cloth Disc 784F

- Starting point for cloth
- Precision-shaped ceramic
- YF-weight cloth
- 36+ – 120+ grades

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.



3M™ Film Disc 375L

- Aluminum oxide
- 5 mil film (60 – P400 grades)
- 3 mil film (>P400 grades)
- 60 – P1500 grades



3M™ Blue Abrasive Disc 321U

- Ceramic and aluminum oxide blend
- C-weight paper (80 – 800 grades)
- D-weight (40 grade)
- 40 – 800 grades



3M™ Cloth Disc 341D

- Aluminum oxide
- X-weight cloth
- 36 – P180 grades

Standard Series

For the sanding process owner who focuses on volume over quality and who cannot, or does not, recognize the value of a Premium or Advanced product.



3M™ Paper Disc 236U

- General purpose; all applications
- Aluminum oxide
- C-weight paper
- P80 – P500 grades



3M™ Paper Disc 216U











- General purpose; all applications
- Aluminum oxide
- A-weight paper
- P80 – P800 grades

► Film/Paper Backed
Cloth Backed/Non-woven

Random Orbital Sanding Portfolio *The entire 3M portfolio*

Film backed sanding discs

Best for a uniform consistent finish. Have good tear resistance and durability.
Longer life than paper.

| | | | | |
|---|--|---|--|---|
|  255L <ul style="list-style-type: none"> ▶ Aluminum Oxide on 2 mil film ▶ Lightweight film disc suited for prep for paint, buff and wood sanding applications |  568XA* <div>Specialized Applications</div> <ul style="list-style-type: none"> ▶ Cerium Oxide on 3 mil film ▶ Constructed for high gloss, semi gloss and acrylic solid surface applications |  268L* <ul style="list-style-type: none"> ▶ Aluminum Oxide on 3 mil film ▶ Works well on sealer sanding, primer and e-coat scuff applications |  360L* <ul style="list-style-type: none"> ▶ Aluminum Oxide on 3 mil film ▶ Ideal for composite, primer and gelcoat applications where finish is crucial |  375L/371L* <ul style="list-style-type: none"> ▶ Aluminum Oxide on 5 or 3 mil film ▶ A multi-purpose value disc where finish and durability are musts |
|  468L* <ul style="list-style-type: none"> ▶ Silicon Carbide on 3 mil film ▶ For light sanding that requires fast cut rate and consistent finishing |  268XA* <div>Specialized Applications</div> <ul style="list-style-type: none"> ▶ Microreplicated abrasive on 3 mil film ▶ Used in a variety of solid surface and AOEM tier prep for paint applications |  366L <ul style="list-style-type: none"> ▶ Aluminum Oxide on 3 mil film ▶ A versatile disc that delivers in paint removal, prep for paint and solid surface finishing |  775L <ul style="list-style-type: none"> ▶ Precision-Shaped Grain on 3 mil film ▶ The go-to choice for all applications that require premium performance |  675L <ul style="list-style-type: none"> ▶ Diamond abrasive on 5 mil film ▶ Designed for finishing on hard materials and can be used for coating removal and prep |


Lighter backing

Heavier backing


*Stearate-free

Paper backed sanding discs


Most versatility and most common backing type. Have good flexibility.
Performance can range from value to top tier.

**216U/210U***


- ▶ Aluminum Oxide on A-weight paper
- ▶ For light sanding and prep work on primers, paints, gelcoats and sealers

**401Q*/431Q***


- ▶ Silicon Carbide on A or C-weight paper
- ▶ Can be run wet or dry in prep for buff or paint and in polishing applications

**732U**


- ▶ Precision-Shaped Grain on C-weight paper
- ▶ A premium choice for all applications that require fast cut and long life

**363i***


- ▶ Aluminum Oxide on F-weight paper
- ▶ A value disc designed for demanding applications on wood, composite and metal

**426U**


- ▶ Silicon Carbide on A-weight paper
- ▶ A value product for wood sanding and applications where finish is critical

**236U**


- ▶ Aluminum Oxide on C-weight paper
- ▶ The multi-purpose, multi-application value disc

**321U Blue**

- ▶ Ceramic and Aluminum Oxide blend
- ▶ A high performing general purpose price-value disc

**752i***

- ▶ Aluminum Oxide and Ceramic blend on E-weight paper
- ▶ A great option for prep for paint in metal or deflashing/surface prep on composites

**763U***

- ▶ Aluminum Oxide and Ceramic blend on F-weight Paper
- ▶ A robust disc ideal for heavy stock removal and refining metal scratches

Lighter backing

Heavier backing

*Stearate-free

Film/Paper Backed
► Cloth Backed/Non-woven

Random Orbital Sanding Portfolio *The entire 3M portfolio*

Cloth backed sanding discs

For coarse grade sanding and heavy stock removal. Excellent tear resistance and durability. Choose from flexible to stiff.

| | | | | |
|---|--|--|--|---|
| 202DZ* <ul style="list-style-type: none"> ▶ Aluminum Oxide on flexible J-weight cloth ▶ A value disc for edge sanding, metal surface preparation and wood applications | 947A <ul style="list-style-type: none"> ▶ Precision-Shaped Grain on X-weight cloth ▶ A premium choice for applications requiring an aggressive and durable disc | 348D* <ul style="list-style-type: none"> ▶ Aluminum Oxide on X-weight cloth ▶ PSA backing for ultra-adherence; typically used in >12" disc format | 341D* <ul style="list-style-type: none"> ▶ Aluminum Oxide on X-weight cloth ▶ Stikit™ backing for random orbital sanding applications | 359F* <ul style="list-style-type: none"> ▶ Aluminum Oxide agglomerate on YF-weight cloth ▶ A great option for metalworking applications, can be run wet or dry |
| 900DZ* <ul style="list-style-type: none"> ▶ Ceramic on flexible J-weight cloth ▶ A flexible disc for edge sanding, metal surface preparation and wood applications | 337DC <ul style="list-style-type: none"> ▶ Aluminum Oxide on X-weight cloth ▶ Designed for Body in White blending and finishing prior to e-coat application | Standard Abrasives™ PSA Zirconia Pro <ul style="list-style-type: none"> ▶ Aluminum Zirconia on X-weight cloth ▶ A good choice for stock removal on Stainless Steel, High Nickel Alloys and Aluminum | 777F <ul style="list-style-type: none"> ▶ Aluminum Oxide and Ceramic blend on YF-weight cloth ▶ Extreme durability for tough metalworking and fiberglass applications | 784F <ul style="list-style-type: none"> ▶ Precision-Shaped Grain on YF-weight cloth ▶ A premium choice for the most unforgiving applications |

Lighter backing

Heavier backing

*No grinding aid

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.

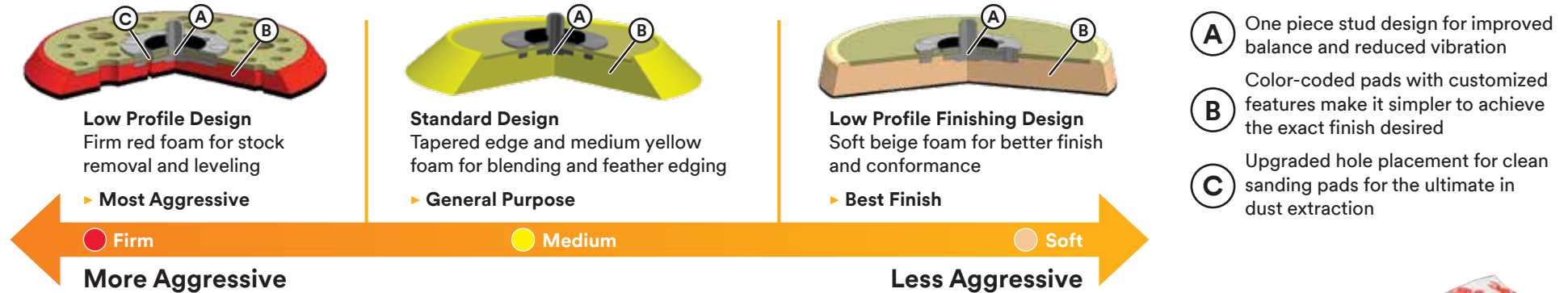
| | | | |
|--|--|--|---|
| 3M™ Finesse-it™ Refining Disc 3000 <ul style="list-style-type: none"> ▶ Non-woven with Aluminum Oxide ▶ For refining 1200/1500 scratch marks in prep for buff and large area repair | Scotch-Brite™ Hookit™ 7448 PRO <ul style="list-style-type: none"> ▶ Non-woven with Aluminum Oxide ▶ For light cleaning, blending and scratch refinement on metal and solid surfaces | Scotch-Brite™ Hookit™ 7447 PRO <ul style="list-style-type: none"> ▶ Non-woven with Aluminum Oxide ▶ For cleaning, scuffing, and finishing on metals and plastic substrates | Scotch-Brite™ Hookit™ Cut & Polish <ul style="list-style-type: none"> ▶ Non-woven with Aluminum Oxide ▶ For heavier non-woven blending applications where fast scratch removal is required |
| | Scotch-Brite™ Hookit™ Clean & Finish <ul style="list-style-type: none"> ▶ Non-woven with Aluminum Oxide ▶ For light cleaning and blending on metal substrates | Scotch-Brite™ Hookit™ Production Clean & Finish <ul style="list-style-type: none"> ▶ Non-woven with Aluminum Oxide ▶ For a uniform finish prior to coating primer, metal and solid surfaces | |

Fine

Coarse

Sanding System Solutions

Select the right backup pad.



Select the right tool.

- ▶ Available in 3", 5" and 6" diameters
- ▶ Can be used with Hookit™ and Stikit™ backup pads



3M™ Elite Non-Vacuum Random Orbital Sanders
For work environments where dust extraction is not required



3M™ Elite Central-Vacuum-Ready Random Orbital Sanders
Attaches to existing central vacuum systems for dust extraction



3M™ Elite Self-Generated Vacuum Random Orbital Sanders
Featuring 3M patented Clean Sanding System and 3M Filter Bag

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 3/MAX
- Test that the lever is undamaged and muffler is not clogged

Air Pressure

- Check your gauge to make sure tools is running at 90 PSI
- Use minimum length of air hose necessary — no more than 25 ft.
- Ensure inside air line diameter is at a minimum 3/8"
- Check airline fittings: 9/32" is best, 3/16" is marginal

Select the right orbit.

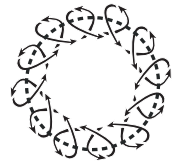


**3/32" Diameter Orbit
Chrome Lever**
Fine finish sanding



Why choose 3/32" orbit?

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



**3/16" Diameter Orbit
Silver Lever**
General purpose sanding



Why choose 3/16" orbit?

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

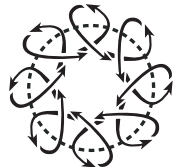


**5/16" Diameter Orbit
Black Lever**
Aggressive sanding*



Why choose 5/16" orbit?

- More stock removal needed than 3/16" orbit
- Not as aggressive as 3/8" orbit



**3/8" Diameter Orbit
Gold Lever**
Most aggressive sanding*



Why choose 3/8" 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



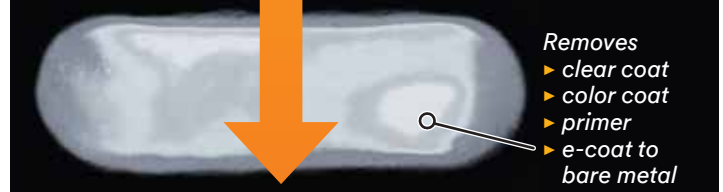
Scuffed
► clear coat



Cut through
► clear coat
► color coat
with exposed primer



Cut through
► clear coat
► color coat
starts to cut
primer



Removes
► clear coat
► color coat
► primer
e-coat to
bare metal

Coarser finish/Increased cut






































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 | Recommended Disc | Alternative Disc | Common Grades | Suggested Backup Pad | Suggested Tool Orbit | Process |
|---------------------------------|---|---|---------------|---|---|--|
| Primer Sanding |  |  | 180 – 400 | Low Profile Finishing  | 3/16"  | Sanding workpiece for consistent scratch prior to paint |
| Coating Removal |  |  | 80 – 240 | Red Low Profile  | 3/8"  | Removing coatings from workpiece prior to application of primers and paints |
| Surface Refining/ Flattening |  |  | 80 – 220 | Red Low Profile  | 3/16"  | Smoothing and leveling workpiece prior to paint for consistent paint adhesion |
| Deflashing Plastic |  |  | 60 – 120 | Red Low Profile  | 3/16"  | Removing excessive plastic flash by knocking off sharp edges |
| Gelcoat Sanding |  |  | 240 – 1000 | Low Profile Finishing  | 3/16"  | 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"  | Removing raised lines in manufacturing to blend surface geometry |
| Shaping |  |  | 36 – 220 | Yellow Standard  | 5/16"  | Incremental steps of cutting and shaping refinement for composite fabrication |
| Whitewood Sanding |  |  | 150 – 220 | Red Low Profile  | 3/16"  | Leveling or smoothing wood surface and removing machining marks from saw cuts or routers |
| Sealer Sanding |  |  | 320 – 400 | Low Profile Finishing  | 3/32"  | Leveling orange peel and scuffing for adhesion of next layer of coatings or finish |
| Prep for Paint on Steel |  |  | 80 – 120 | Red Low Profile  | 3/16"  | Refining a fiber disc scratch used in stock removal for an even scratch prior to paint |
| Removing Handling Scratches |  |  | 80 – 120 | Red Low Profile  | 5/16"  | Identifying defects in metal parts caused by upstream handling |
| Edge Deburring |  |  | 60 – 120 | Yellow Standard  | 5/16"  | Removing sharp edges on sheared metal |

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

Optimize your sanding system with 3M™ Cubitron™ II and 3M™ Clean Sanding Systems

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 \$\$\$ 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.

Clean sanding abrasive disc



+

Clean sanding backup pad



+

3M™ Elite Self-Generated Vacuum Random Orbital Sander



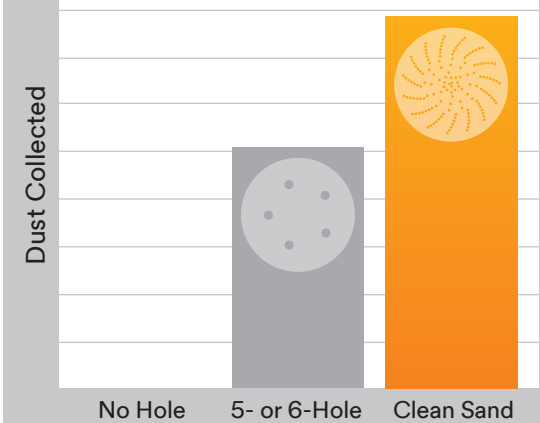
Clean Sand vs. No Hole

After sanding on cured gelcoat for 30 seconds. The clean sand disc has not loaded. This means a longer abrasive disc life.

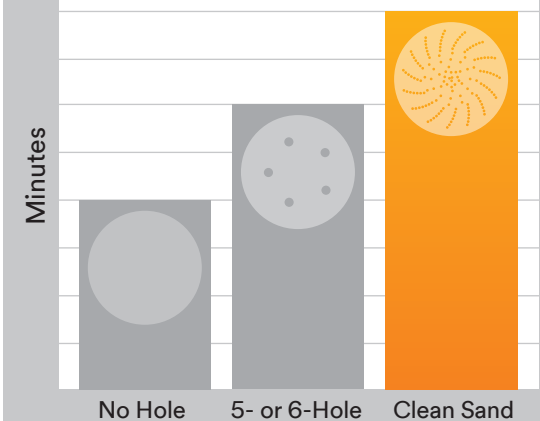


Clean sanding discs remove more dust and last longer than 5- and 6-hole discs of a similar diameter.

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

| | | | | | Grade | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|-----------------|---------|---------------|---------------|-----------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|---|
| | 3M ID | Backing | Attachment | Forms | 24 | 36 | 40 | 50 | 60 | 80 | 100 | 120 | 150 | 180 | 220 | 240 | 280 | 320 | 360 | 400 | 500 | 600 | 800 | 1000 | 1200 | 1500 | |
| Premium Series | 775L | Film | Hookit™ | No Hole | | | | | | + | | + | + | + | + | + | | + | | + | | | | | | | |
| | | | | Dust Free | | | | | + | | + | + | + | + | + | | + | | + | | | | | | | | |
| | | | | Clean Sanding | | | | | + | | + | + | + | + | + | | + | | + | | | | | | | | |
| | | | Stikit™ | No Hole | | | | | + | | + | + | + | + | + | | + | | + | | | | | | | | |
| | | | | Dust Free | | | | | + | | + | + | + | + | + | | + | | + | | | | | | | | |
| | 732U | Paper | Hookit™ | No Hole | | | | | | + | | + | + | + | + | | | | | | + | | | | | | |
| | | | | Dust Free | | | | | + | | + | + | + | + | | | | | | | | | | | | | |
| | | | | Clean Sanding | | | | | + | | + | + | + | + | | | | | | | | | | | | | |
| | | | Stikit™ | No Hole | | | | | + | | + | + | + | + | | | | | | | | | | | | | |
| | | | | Dust Free | | | | | + | | + | + | + | + | + | | | | | | | | | | | | |
| | 784F | Cloth | Hookit™ | No Hole | | + | | + | + | + | | + | | | | | | | | | | | | | | | |
| | | | | Dust Free | | + | | + | + | + | | + | | | | | | | | | | | | | | | |
| Advanced Series | 375L | Film | Hookit™ | No Hole | | | | | A | P | P | P | P | P | P | P | | P | | P | P | P | P | P | P | P | |
| | | | | Dust Free | | | | | A | P | P | P | P | P | P | P | | P | | P | P | P | P | P | P | P | |
| | | | | Clean Sanding | | | | | A | P | P | P | P | P | P | P | | P | | P | | P | P | P | P | P | |
| | | | Stikit™ | No Hole | | | | | A | P | P | P | P | P | P | P | | P | | P | P | P | P | P | P | P | |
| | | | | Dust Free | | | | | A | P | P | P | P | P | P | P | | P | | P | P | P | P | | | P | P |
| | 321U | Paper | Hookit™ | No Hole | | | | | | A | | A | A | A | A | A | | A | | A | | A | A | | | | |
| | | | | Multi-hole | | | A | | | A | | A | A | A | A | | A | | A | | A | A | | | | | |
| | | | Stikit™ | No Hole | | | A | | | A | | A | | A | A | A | A | | A | | A | | A | A | | | |
| | 341D | Cloth | Stikit™ | No Hole | | A | | A | A | A | P | P | | P | | | | | | | | | | | | | |
| | | | | Dust Free | | A | | A | A | A | P | P | | P | | | | | | | | | | | | | |
| | Standard Series | 236U | Paper | Hookit™ | No Hole | | | | | | P | P | P | P | P | P | P | | P | | P | P | | | | | |
| | | | | | Dust Free | | | | | | P | P | P | P | P | P | P | | P | | P | P | | | | | |
| Clean Sanding | | | | | | | | | | P | P | P | P | P | P | P | | P | | P | P | | | | | | |
| Stikit™ | | | | No Hole | | | | | | P | P | P | P | P | P | P | | P | | P | P | | | | | | |
| | | | | Dust Free | | | | | | P | P | P | P | P | P | P | | P | | P | P | | | | | | |
| 216U | | Paper | Hookit™ | No Hole | | | | | | | | | P | P | P | | | P | | P | | P | P | | | | |
| | | | | Dust Free | | | | | | | | | P | P | P | | | P | | P | | P | P | | | | |
| | | | Clean Sanding | | | | | | | | | P | P | P | | | P | | P | | P | P | | | | | |
| Stikit™ | No Hole | | | | | | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | | | | | | |

ROS Portfolio

| Backing | 3M ID | Weight | Mineral | Grinding Aid or Stearate | Attachment | | | Grade | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--------------------------------------|---------|---------|--------------------------|------------|---------|-----|--------------------|----|------|----|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| | | | | | Stikit™ | Hookit™ | PSA | 24 | 30 | 36 | 40 | 50 | 60 | 80 | 100 | 120 | 150 | 180 | 220 | 240 | 280 | 320 | 360 | 400 | 500 | 600 | 800 | 1000 | 1200 | 1500 | 2000 |
| Cloth | 202DZ | J | AO | | • | | | | | | | | | A | P | P | P | P | P | | | | | | | | | | | | |
| | 341D | X | AO | | • | | | | | | | | | A | P | P | P | P | | | | | | | | | | | | | |
| | 348D | X | AO | | | | • | A | | A | A | A | A | A | P | P | P | P | | P | | | | | | | | | | | |
| | Standard Abrasives™ PSA Zirconia Pro | X | AZ | ✓ | | | • | | | A | A | A | A | A | | A | | | | | | | | | | | | | | | |
| | 359F | YF | AO | | | • | | | | | | | | A | | P | | P | | | | | | | | | | | | | |
| | 777F | YF | C/AO | ✓ | | | • | | | A | A | A | A | A | | P | | | | | | | | | | | | | | | |
| | 784F | YF | PSG | | • | • | | | | + | | + | + | + | | + | | | | | | | | | | | | | | | |
| | 900DZ | J | C | | • | • | | | | | | | A | A | P | P | P | P | P | | | | | | | | | | | | |
| Paper | 947A | X | PSG | ✓ | | • | | | | | + | | + | + | | + | | | | | | | | | | | | | | | |
| | 210U | A | AO | | • | • | • | | | | | | | | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| | 216U | A | AO | ✓ | • | • | | | | | | | | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| | 236U | C | AO | ✓ | • | • | | | | | | | | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| | 321U | C/D | C/AO | ✓ | • | • | | | | A | | | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| | 363i | F | AO | | • | • | • | | | | | | A | A | P | P | P | P | | | | | | | | | | | | | |
| | 401Q | A | SC | | | • | • | | | | | | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| | 426U | A | SC | ✓ | • | • | | | | | | | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| | 431Q | C | SC | | | • | • | | | | | | | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| | 732U | C | PSG | ✓ | • | • | | | | | | | | + | | + | + | + | + | + | | | | | | | | | | | |
| | 752i | E | C | | | • | | | | P | | P | | | | | | | | | | | | | | | | | | | |
| Film | 763U | F | C/AO | | • | • | | | | | | | A | A | P | P | | | | | | | | | | | | | | | |
| | 255L | 2 mil | AO | ✓ | • | • | | | | | | | | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| | 360L | 3 mil | AO | | • | • | | | | | | | | | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| | 371L | 5 mil | AO | | | • | | | | | | | | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| | 375L | 5/3 mil | AO | ✓ | • | • | | | | | | | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| Film | 775L | 3 mil | PSG | ✓ | • | • | | | | | | | | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 268L | 3 mil | AO | | | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| | 366L | 3 mil | AO | ✓ | | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| | 468L | 3 mil | SC | | | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| Film | 675L | 5 mil | D | | | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| | 675L | 5 mil | D | | | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | Micron Grade | | | | | | | | | | | | | | | | | | | | | | | |
| Film | 268L | 3 mil | AO | | | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| | 366L | 3 mil | AO | ✓ | | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| | 468L | 3 mil | SC | | | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| | 675L | 5 mil | D | | | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 3M™ Trizact™ Grade | | | | | | | | | | | | | | | | | | | | | | | |
| Cloth | 337DC | X | AO | ✓ | | • | • | A300 | | A160 | | A100 | | A65 | | A45 | | A35 | | A30 | | A20 | | A10 | | A5 | | | | | |
| Film | 268XA | 3 mil | AO | | | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| | 568XA | 3 mil | CO | | | • | • | | | | | | | | | | | | | | | | | | | | | | | | |

| Backing | 3M ID | Mineral | Attachment | Scotch-Brite™ Grade |
|-----------|---|---------|------------|---------------------|
| Non-woven | 3M™ Finesse-it™ Refining 3000 | AO | Hookit™ | 3000 |
| | Scotch-Brite™ 7448 PRO | AO | | Ultra Fine |
| | Scotch-Brite™ Clean & Finish | AO | | |
| | Scotch-Brite™ 7447 PRO | AO | | Very Fine |
| | Scotch-Brite™ Production Clean & Finish | AO | | |
| | Scotch-Brite™ Cut & Polish | AO | | Medium |

Mineral

AO = Aluminum Oxide
 AZ = Aluminum Zirconia
 C = Ceramic
 CO = Cerium Oxide
 D = Diamond
 PSG = Precision-Shaped Grain
 SC = Silicon Carbide

Grade

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

Get ready to demo with 3M™ Cubitron™ II Random Orbital Sanding Multi Packs

Once your customers try high-performance 3M™ Cubitron™ II products, you can bet they'll be back for more! Now available in 5" and 6" discs.

Start demonstrating, sampling and selling 3M's newest random orbital discs today!

| 775L | Grades | UPC Number | Size | Discs |
|---|----------------|----------------|------|---------|
| 3M™ Cubitron™ II Stikit™ Film Discs 775L | | | | |
|  | 80+ 180+ | 051125-87337-6 | 5" | 15/pack |
| | 120+ 220+ | 638060-77553-0 | 6" | 15/pack |
| | 150+ | | | |
| 3M™ Cubitron™ II Hookit™ Clean Sanding Film Discs 775L | | | | |
|  | 80+ 180+ | 051125-87338-6 | 5" | 15/pack |
| | 120+ 220+ | 638060-77554-7 | 6" | 15/pack |
| | 150+ | | | |
| 3M™ Cubitron™ II Stikit™ Film Discs 775L | | | | |
|  | 240+ 320+ 400+ | 051125-87430-4 | 5" | 15/pack |
| | | 638060-77552-3 | 6" | 12/pack |
| | | | | |
| 3M™ Cubitron™ II Hookit™ Clean Sanding Film Discs 775L | | | | |
|  | 240+ 320+ 400+ | 051125-87435-9 | 5" | 15/pack |
| | | 638060-77555-4 | 6" | 15/pack |
| | | | | |

| 732U | Grades | UPC Number | Size | Discs |
|---|-----------|----------------|------|---------|
| 3M™ Cubitron™ II Stikit™ Paper Discs 732U | | | | |
|  | 80+ 180+ | 638060-77306-2 | 5" | 15/pack |
| | 120+ 220+ | 638060-77556-1 | 6" | 15/pack |
| | 150+ | | | |
| 3M™ Cubitron™ II Hookit™ Clean Sanding Paper Discs 732U | | | | |
|  | 80+ 180+ | 638060-77307-9 | 5" | 15/pack |
| | 120+ 220+ | 638060-77557-8 | 6" | 15/pack |
| | 150+ | | | |

| 947A | Grades | UPC Number | Size | Discs |
|--|----------|----------------|------|---------|
| 3M™ Cubitron™ II Hookit™ Cloth Discs 947A | | | | |
|  | 40+ 80+ | 051125-87342-0 | 5" | 8/pack |
| | 60+ 120+ | 638060-77558-5 | 6" | 12/pack |
| | | | | |

| 784F | Grades | UPC Number | Size | Discs |
|---|--------------|----------------|------|---------|
| 3M™ Cubitron™ II Hookit™ Cloth Discs 784F | | | | |
|  | 36+ 60+ 120+ | 638060-77559-2 | 5" | 15/pack |
| | 40+ 80+ | | | |
| | | | | |



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