



Industrial Contractors' Supplies, Inc.

- Dust Director Division -

15061 Route 30, N. Huntingdon, PA 15642

Phone: 412 . 824 . 6933

Fax: 412 . 824 . 4704

www.DustDirector.com

3" - 7" Diamond Polishing Pads - Which Ones To Use? Understanding the Polishing Process — Velcro 3mm Resin & Semi-Metal Polishing, Metal Grinding / Coatings Removal Pads

After a floor has been prepped, you'll proceed to **Transform the Floor** by Diamond Grinding. **Diamond Grinding** is the most aggressive stage of preparing a concrete floor for polishing or applying epoxy coatings, stains or dyes. **Metal Bond Diamond Discs** are used to cut or grind concrete down. **When prepping a floor you only want to grind or remove enough concrete to be just beneath the damage that is on the floor. Grinding too far down or removing too much concrete is unnecessary and is costly for both material and labor.** Depending on the initial condition of the surface, you'll need to decide which pad to begin with. As you progress through the series of grits and types of diamonds, the pores in the floor will begin to close with each pass. Before your eyes you'll begin to see the transformation from a once dull or damaged floor to a beautiful, shining surface.



Diamapad System - Concrete Grinding, Polishing, Coatings Removal, Maintenance. For the DIY and Floor Professionals - Completely transform a worn, damaged, rough finish or mastic covered concrete floor using a standard low-speed rotary swing machine or an automatic floor scrubber. No special pads, holders or drivers are use - simply press a Diamapad onto the machine's own velcro pad driver.



Unlike other systems, the Diamapad System is not just a polish only system nor does it require a major financial decision in diamond tooling (driver) just to see if the system will work for your situation or floor.

Installing Resin / Hybrid 3mm Diamapads on a velcro pad driver.

The Diamapad System consists of four (4) types of diamond pads: **Metal, Semi-Metal / Hybrid Pads, Resin and Impregnated (DIP).** As you progress through the various types of pads, and within each one using an increasingly finer diamond grit, the pores in the floor will begin to close. As you continue, before your eyes you'll begin to see the floor transform from a once dull or damaged surface into a beautiful and shiny floor.



Three (3) 6" Metal Pads installed on a 14" velcro pad driver.

Metal Pads. Very aggressive pads, provide fast stock removal of concrete and/or coatings, sealer or mastics. Used when the concrete surface is damaged, has a rough or broom finish, or is coated. Their grinding performance is smooth and fast. While they are used to deep grind concrete, remove all types of coatings (hard acrylic or soft mastics), they are also used to prepare the surface for coating overlays as they leave the pores of the surface open for A+ adhesion and bonding of new coatings or sealers. They perform like a diamond cup wheel but are 1/3 the weight (less than 8 oz). With their velcro backing, they install onto velcro pad drivers of the appropriate tool / machine.

Semi-Metal Pads. Significantly more aggressive and provide longer life than Resin pads. Depending on the initial condition of the floor, Semi-Metal Pads are generally used before Resin pads or after rough grinding with Metal Pads.

Semi-Metal pads actually start the polishing process as they begin to close the pores of the floor. They offer all the benefits of a smooth Resin pad but provide longer life and the aggressiveness associated with Metal pads. After rough grinding with Metal Pads the scratch pattern cannot typically be removed by a Resin pad — Semi-Metal pads solve this.



Resin & Semi-Metal Pads

Resin Pads. Used after the surface has been totally cleaned and smooth. Depending on the initial condition of the floor, the Metal or Semi-Metal Pads may first have to be used. Resin pads are designed to abrade the scratches left from Semi-Metal Pads. With the diamonds exposed on the surface of a resin pad, deep scratches are quickly sanded away by the diamonds that are suspended in the plastic matrix. The plastic matrix is what gives the resin pads their less aggressive nature or polishing capability. While it is true you can hone with a coarse resin pad, they are not really designed for this task or step in the polishing process as they will quickly wear under this circumstance.



Installing 3" Resin 3mm Pads onto a 14" velcro pad driver.

As you progress through the series of Resin pads - increasing to finer grits - the pores of the concrete begin to close to ultimately result in a mirror-like finish. The progression process provides you with the flexibility to choose how many steps (grits) you want to go through to achieve the desired finish. Typically, you start with a 50 coarse grit (semi-metal / hybrid pad) and proceed to make 5 - 10 passes per grit (vacuuming the surface after each grit).

By the time you reach the end of the process, the floor will transform into a beautiful, smooth and polished surface. Depending on the type of floor and its initial condition, as well as the machine's down pressure and speed, the number of passes you make with each grit depends on the level of gloss you wish to obtain.

3mm Metal Pads - For Concrete Grinding & Coatings Removal

|  Velcro Back, Dry or Wet Use | 3" & 6" Diameter Metal Back Discs | | | | GP620 | 6", 20 Grit | \$58.00 | \$139.00 3 Pk |
|--|-----------------------------------|--------------|---------|--------------|--------|--------------|---------|---------------|
| | GP330 | 3", 30 Grit | \$32.00 | \$75.00 3 Pk | GP630 | 6", 30 Grit | \$58.00 | \$139.00 3 Pk |
| | GP350 | 3", 50 Grit | \$32.00 | \$75.00 3 Pk | GP660 | 6", 60 Grit | \$58.00 | \$139.00 3 Pk |
| | GP3120 | 3", 120 Grit | \$32.00 | \$75.00 3 Pk | GP6120 | 6", 120 Grit | \$58.00 | \$139.00 3 Pk |

3mm Resin & Semi-Metal Flexible Polishing Pads - For Concrete, Granite, Marble, Velcro Backing, Dry or Wet

|  Approximate Pad Life: • 2,000 - 5,000 Ft ² (Resin) • * Semi-Metal Pad: 8,000 - 10,000 Ft ² | 3" x Grit Size | | | 4" x Grit Size | | | 5" x Grit Size | | | 7" x Grit Size | | |
|---|----------------|--------|---------|----------------|--------|---------|----------------|--------|---------|----------------|--------|---------|
| | P350 | * 50X | \$11.00 | P450 | * 50 x | \$12.00 | P550 | * 50 x | \$17.00 | P750 | * 50 x | \$39.00 |
| | P3100 | * 100 | \$11.00 | P4100 | * 100 | \$12.00 | P5100 | * 100 | \$17.00 | P7100 | * 100 | \$39.00 |
| | P3200 | * 200 | \$11.00 | P4200 | * 200 | \$12.00 | P5200 | * 200 | \$17.00 | P7200 | * 200 | \$39.00 |
| | P3400 | 400 x | \$11.00 | P4400 | 400 x | \$12.00 | P5400 | 400 x | \$17.00 | P7400 | 400 x | \$39.00 |
| | P3800 | 800 x | \$11.00 | P4800 | 800 x | \$12.00 | P5800 | 800 x | \$17.00 | P7800 | 800 x | \$39.00 |
| | P31500 | 1500 x | \$11.00 | P41500 | 1500 x | \$12.00 | P51500 | 1500 x | \$17.00 | P71500 | 1500 x | \$39.00 |
| | P33000 | 3000 x | \$11.00 | P43000 | 3000 x | \$12.00 | P53000 | 3000 x | \$17.00 | P73000 | 3000 x | \$39.00 |



Restore, Clean, Polish Maintain - For use on Smooth & Unfinished Concrete, Polished Concrete, Stone, Terrazzo & VCT*

Eliminate the Need for Periodic Restoration

Works With or On All Types of Floor Machines - Wet or Dry Use, Conventional, High Speed, Auto Scrubbers, Multi-Pad & Swing Machines

Outperforms all other Cleaning & Polishing Maintenance Methods: No Need For Waxes, Sealers, Strippers or Other Chemicals!

Scrub, Clean & Polish - AT THE SAME TIME!



DiamoPads are the easiest, simplest, safest and fastest way to start, finish and *maintain* a floor. From 100 to 8000 grit, DiamoPads provide exceptional performance and durability - Outperforming & Outlasting any other DIP by at least 3:1.

As long as the surface has been prepped and/or is smooth (no broom finishes, coatings, deep scratches), DiamoPads will not only **Sand & Polish** but you'll be able to use the same pads to maintain the floor's cleanliness and shine.

DiamoPads - Impregnated Diamond Pads (DIP)

[\(Click on the DiamoPads link for individual Pad Pricing.\)](#)

- 100 Grit Black
- Most aggressive or extra coarse
 - For damaged floors or use after grinding
 - HD removal of scratches & discoloration



- 200 Grit Orange
- Very aggressive, coarse grit
 - For damaged floors or use after grinding
 - HD removal of scratches & discoloration



- 200 Grit Red
- Mild aggressive, medium coarse
 - For damaged floors or use after grinding
 - HD removal of scratches & discoloration
 - Leaves satin or matt finish



- 800 Grit Blue
- Intermediate step or 1st step in floors not maintained
 - Cleans surface
 - Removes small scratches
 - Leaves a slightly reflective finish



- 1500 Grit Yellow
- For maintained floors
 - Cleans & prepares floor for high polish
 - Removes fine scratches
 - Conditions stone & concrete floors for final polishing
 - Can be regular maintenance pad



- 3000 Grit Green
- Normal daily maintenance pad
 - Produces & maintains a Wet Look shine
 - Can be used on: Concrete, Stone, Terrazzo, Tile & VCT*



- 8000 Grit Tan
- Produces & maintains a Wet Look shine
 - Can be used on: Concrete, Stone, Terrazzo, Tile & VCT*

