

STEP 1:

Identify concrete hardness and select suitable bond option: UH, HM, MS or SA



STEP 2:

Select colour for desired grinding effect. GOLD or GREY is generally the first cut



STEP 3:

Expect to be able to "cut" or level the concrete up to BROWN. Use BLACK to BLUE for final scratch removal

| Bond→ | | PCD | Metal Bond | | | | |
|-------------------|--------------------------------------|--|---|--|---|--|---|
| Colour → | | Turquoise | Gold | Grey | Brown | Black | Blue |
| Relative Grit → | | 1 | 25 - 35 | 35 - 60 | 60 - 80 | 80 - 140 | 140 - 325 |
| Bond Options: | | | | | | | |
| PCD | Thick glue & coatings → | PCD | | | | | |
| UH | Ultra Hard Concrete & Coatings → | | UH | UH | | | |
| HM | Hard - Med Concrete → | | HM | HM | HM | HM | HM |
| MS | Med - Soft Concrete → | | MS | MS | MS | | |
| SA | Soft - Abrasive Concrete / Asphalt → | | SA | | | | |
| Best Suited for → | | Sticky & thick glue >3mm, Black Jack, Cork & Vinyl. Gauges surface | Very Fast & Aggressive. Also suitable for thin coatings / glue / paint. | Fast but less aggressive. Less scratches than Gold | Quick. Smooth finish, ideal for clear coatings. | Fine scratch remover. Ideal for most thin coatings | Last metal bond. For high gloss finish, switch to RESIN |

| | Mature Concrete | Coatings, hard <3mm | Coatings >3mm | Black Jack | Cork, Vinyl | Sureshield | Rain damaged concrete | Green Concrete | Tile Grout | Asphalt | |
|-----|-----------------|---------------------|---------------|------------|-------------|------------|-----------------------|----------------|------------|---------|--|
| | | | | | | | | | | | <div> <div>Ideal</div> <div>Suitable</div> <div>Less Ideal</div> </div> |
| PCD | | • | ••• | ••• | ••• | • | | | | | Extremely aggressive, leaves deep gauges in concrete, rips Vinyl and Cork from surface. |
| UH | ••• | ••• | | | | | | | | | Super fast! Use only on hardest aggregate & concrete. Leaves strong scratches. Soft bond. |
| HM | ••• | ••• | | | | | | | • | | Very fast for hard surfaces. Ideal for LP (low power) machines up to 6kW. Medium bond. |
| MS | ••• | ••• | | | | ••• | •• | •• | ••• | • | Most popular, suits most surfaces. Good lifetime vs speed ratio. Also used on LP machines. Hard bond |
| SA | | | | | | •• | ••• | ••• | •• | ••• | Lasts longer than any other spec. Generally for extremely abrasive material. Very hard bond. |

STEP 4 Optional:

Use RESIN bond from BLACK onwards for faster performance (but less lifetime) than Metal bond.

| Bond→ | Resin Bond | | | | | |
|-----------------|------------|-----------|-----------|-----------|------------|-------------|
| Colour → | Black | Blue | Red | White | Yellow | Green |
| Relative Grit → | 80 - 100 | 140 - 325 | 325 - 500 | 500 - 800 | 800 - 1500 | 1500 - 3000 |

- Use RESIN for high gloss finish without coatings
- Start with RESIN bond after BLACK or BLUE Metal bond.
- RESIN bond produces a quicker performance than METAL
- Start with the same colour RESIN that you finished METAL with. ie: after BLACK Metal, Use BLACK Resin and proceed through each colour until the desired effect is achieved.

Diamond glazing? Want more speed?

- Reduce the RPM speed, or
- Change up to a softer bond, ie: from HM to UH, or
- Change from DS (Double Segments) to SS (Single Segments)

Diamonds wearing too fast?

- Increase the RPM speed, or
- Increase quantity of shoes, ie: from 3 shoes to 6, or
- Change down to harder bond, ie: from UH to HM, or
- Change from SS (Single Segment) to DS (Double Segments)

Resin polishing?

- Resin buttons are available in 6 colours, from BLACK to GREEN
- Start with the same Resin colour that you finished the metal colour with, ie: after Metal BLACK start with Resin BLACK

