



GRIND and SEAL SYSTEM

(A Polished Concrete appearance)

Floor Prep:

1. Determine hardness of concrete and type of metal bond diamonds that will be required for the rough-cut step with MOHS Hardness Pick Test.
2. Clean/degrease floor to remove any stains in concrete and patch/repair any damaged concrete where needed with appropriate patching material.
 - a. Leave hairline cracks alone. If you must repair cracks or pits, using a concrete-based filler is recommended. This will add to the install time due to the usage of water and normally requires 24 hours to cure before coating. Using Cyclospartic Crack Repair or GF Patch is **NOT** recommended as this will have an unwanted appearance.
3. Using a large floor grinder begin with Metal Bond Diamonds 12-30 grit to open the pores of the concrete.
4. Assuming 30 grit is adequate for first cut. Using a large floor grinder move on to a 60-80 grit Metal Bond Diamond to remove any grind marks and smooth the floor.
 - a. Take precautions to not leave tooling lines or Swirl Marks during this step.
5. Finishing with up to a 120 grit Metal Bond Diamond is an option if you want a nice smooth finish, but this isn't necessary. (Using anything higher than 120 Grit Diamonds will void warranty). For high end home you can also apply a grout coat over the second grind and then run over with a 120 grit Metal Bond Diamonds. This will fill in any pin holes etc.

Applying Cyclo1 Coating:

Applying a minimum of 2 coats of Cyclo1 Coating clear is required. It may be necessary to apply additional coats to achieve the desired appearance if the concrete is porous. This will need to be assessed once the 2nd coat has been applied and tack dried.

1. 1st coat of Cyclo1 Coating does not need UDP. It will soak in more and expected spread rate is between 300-400 Sq.ft/Gallon.
2. The 2nd and each additional coat need to have Abrasion Resistance Additive added and the expected spread rate is between 400-500 Sq. ft/Gallon. All additional coats must be applied within re-coat window. (Reference Tech Data sheet and Cyclo1 Coating Temp and Humidity Chart).
 - Coverage Rates will vary by concrete slab.

Achieving Different Finishes:

- For a more Matte finish you can add up to two (2) bags of Abrasion Resistance Additive per gallon of Cyclo1 Coating.
- Smaller amounts of Abrasion Resistance Additive can be added for the desired finish appearance.
- A minimum of one ½ bag of Abrasion Resistance Additive per Gallon of Cyclo1 is recommended.

Garage Force recommends always creating a physical sample using the planned ratio of Abrasion Resistance Additive to Cyclo1 for approval by the customer before application.