

# APPLICATION GUIDE

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## CONTACT

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## GRINDER PREPARATION

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This document describes the Preparation Instructions for preparing the concrete prior to applying DIY Garage Floor's Concrete Coating Kits.

## CONCRETE ASSESMENT

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### **Moisture Content:**

A dry concrete slab is required for this system. Testing for moisture should be done with a Calcium Chloride test. A Calcium Chloride test should have a moisture vapor transmission lower than 3 lbs./1000 ft<sup>2</sup>/24 hours.

### **Hardness:**

A concrete slab of at least a minor hardness is required for this system. Test the concrete hardness with a Mohs Hardness Kit. The concrete should show a hardness of a 3 or higher to properly accept this system.

### **Other Conditions:**

Concrete must be structurally sound, and reasonably free from oil, grease, silicones, and other contaminants. Green slabs must have cured for at least 28 days prior to coating.

## PREPARATION

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Use a concrete floor grinder that may be rented from a number of different equipment rental companies. Use a diamond grit of 16 to 30 grit. Grind about a 32nd of an inch to a 64th of an inch off the entire floor. Use a HEPA rated vacuum hooked up to the grinder and wear a respirator while grinding. The floor should have a CSP of a 2 to 3 for accepting the epoxy.

Grind off any existing paint or coatings.

In the case where there is Oil, Grease or other contaminants on the concrete use a degreaser such as Purple Power. Make sure that all residue is completely rinsed off the floor.

Let the floor completely dry for a day or two.

### **Crack Repair:**

Repair all cracks using DIY Garage Floor's Concrete Crack Repair. Do not cover saw cuts and expansion joints with either this system or the crack repair.

Allow about a day to grind the floor in a 2-car garage.