CRU-P75

Product Information
Category: Sealer
Product No. 2004 series
2 gal kit
Available in Gloss and Satin

Description and Use:

It is a two component, extremely chemical resistant, with exceptional non-yellowing polyaspartic performance. It features high gloss, high build, a cure time of 4 to 6 hours, and generally return to service in 24 hours. Contains 75% solids.

It can be installed in extremely high or low temperatures and low odor. Great chemical, scratch, and abrasion resistance.

This engineered product used in the following applications:

Pharmaceutical	Food Prep/Kitchens
Garages	Car wash facilities
Loading docks	Health Care facilities
Locker rooms	Veterinary facilities
Basements	Locker rooms
Kennels	Laboratories
Schools	Auto showroom
Clean Rooms	Outdoor kitchens and countertops
Indoor kitchens for white/light colored surfaces instead of Crystal Top Epoxy	
All Granicrete Overlays	

Its significant characteristics include:

- ✓ Mild Odor
- ✓ Zero VOC
- ✓ High Wear and Chemical Resistance
- ✓ Great UV resistance
- ✓ Convenient 1:1 Mix; A:B=1:1
- ✓ Excellent roll out and coverage reduces cost per square foot.
- ✓ Provides excellent protection for residential, commercial, and industrial floors.

Finish:

High Gloss and Satin

Coverage:

Approximately 200 sf/gallon (400 sf/kit) pending surface porosity and roughness.
Approximately 175 sf/gallon of full broadcast chip floors.
Approximately 150 sf/gallon for a more glass-like finish.

Packaging:

2 gallon 1:1 kit

Inspection:

Concrete must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. The concrete should be porous and be able to absorb water. A minimum of 14 days cured is required on all concrete. Relative humidity in the concrete floor slab should be below 80% (per ASTM F-2170).

Before starting flooring work, test existing concrete slab to make sure there is no efflorescence or high levels of alkalinity. Alkalinity refers to a high pH reading which means the floor is not neutral. A high alkaline environment can cause salts to creep up through the cement called efflorescence. These salts tend to prevent or destroy the bonding of coatings to the concrete. The most common form of testing is the use of a wide-range pH paper or tape. Make sure the floors pH reading ranges between 5-9 to ensure adhesion. The testing of concrete for alkalinity can show the amount of alkalinity only at the time the test is ran and cannot be used to predict long-term conditions.

Calcium chloride tests should be conducted to determine if the concrete is sufficiently dry for an epoxy flooring installation. The calcium chloride tests should be conducted in accordance with the latest edition of ASTM F 1869, Standard Test Method for Measuring Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride. When running a calcium chloride test, it is important to remove any grease, oil, curing agents, etc. so accurate readings can be obtained.

Failing to adhere to these strict guidelines can result in product delamination, discoloration, blistering, or altogether failure of the coating system. Testing is the responsibility of the Certified Installer as Granicrete bears no responsibility for failures due to any of the above conditions.

Surface Preparation:

Concrete surfaces shall be bead blasted or diamond grinded to remove all surface contaminants and laitance. The concrete should be at least 2500 psi and have an ICRI concrete surface profile within 3-5 (30 grit). After initial preparation has occurred, inspect the concrete for imperfections and treat as necessary.

For surface preparation recommendations consult the Granicrete technical support. All expansion joints should be honored. Cracks should be chased with a diamond crack chaser (approximately 1/4” x 1/4”), swept or blown clean.

Mixing:

Premix part A and shake part B before mixing together

Mix 1 Part B into 1 Part A together for 3 to 4 minutes with a slow to moderate speed drill mixer. Be sure to scrape sides and bottom during mixing. Material cannot be properly mixed by hand even in small batches.

Thinning:

Thinning is **not** suggested.

Application:

The product can be applied using a squeegee followed with a 3/8” nap solvent resistant lint-free roller. DO NOT ALLOW TO ACCUMULATE IN JOINTS, GROUTLINES OR LOW AREAS. A second coat may be applied within 4-6 hours when tack free.

Drying Time:

You may re-coat as soon as the surface is dry to touch or in about (but not later than 24 hours). If the 24-hour re-coat period has passed then the surface must be de glossed with a black janitorial pad or fine sanding screen to ensure a good bond. Cooler temperatures and higher humidity will increase drying time.

Light foot traffic may be permitted in 10 hours, moving furniture back in 24 hours, heavy- traffic and vehicle as quick as 48 hours.

All times are based on average temperature of 70 degrees and 50% humidity. Cooler temperatures and higher humidity will increase drying time. Suggest smaller batches when using in hotter or more humid temperatures.

Handling Precautions:

Refer to SDS before using it.

Limitations:

- Concrete must be cured for a minimum of 28 days
- Concrete should be a minimum of 2500 psi.
- Material must be mixed mechanically for proper performance.
- Check your concrete for moisture vapor pressure and always for moisture content. Recommended less than 5% moisture content.
- Monitor ambient temperature as it should be above humidity.

Clean Up:

Acetone will help remove un-cured material off tools, but once it is cured it will need to be removed mechanically.

Technical Data:

Volumetric Ratio	1:1
Volumetric Solids	75%
Coverage varies by porosity.	175 – 200 SF /KIT
Application Temperature	35-100F
Thinning	Not required
Pot Life	5 min
Working Time on Floor	15-20 min
Cure Time	10 hrs foot
Cure Time	24 hrs light / 48 hrs vehicles
Critical Re-Coat Time	None. Suggest abrasion 100 grit pads for recoat or reseal
USDA Food & Beverage	USDA compliant

Physical Properties

Phone: 602.438.9464 Toll Free: 866.438.9464
www.granicrete.com

Appearance	Clear Liquid
Total Solids(% by weight)	75
Total Solids (% by volume)	75
Surface Tension, Dynes/cm	40
Viscosity (Brookfield LVF), cps @ 25° C	600
Density (lbs/gallon)	8.32
Specific Gravity	1.0
Flash Point (C Pensky-Martens closed cup)	<70°F
Freeze/Thaw Stability	N/A
Thermal Stability (28 days @ 52° C)	No Effect
Mechanical Stability	Good
VOC (g/l)	0
VOC (by Weight)	0
Tg (C)	66
Tensile Strength, psi	7000
Elongation	8%

CHEMICAL RESISTANCE: 7-DAY SUBMERSION

Brake Fluid	No Effect
Transmission Fluid	Slight Discoloration
Coolant	No Effect
Power Steering Fluid	Slight Discoloration
Gasoline	No Effect
Battery Acid	Damaged
MEK	<200 Double Rubs
Acetone	<200 Double Rubs
Formula 409	<200 Double Rubs

Wear Personal Protective Equipment.
Read SDS before using this product.
DOT/Flash Point – Non-flammable Liquid Classification, not regulated.

Manufacturer/Distributor Warranty: As neither the manufacturer nor the distributor has control over the actual installation of this product, the manufacturer and distributor disclaim any and all warranties expressed or implied regarding color shade, appearance, and product performance at and after opening product containers. Manufacturer and distributor recommendations and suggestions are made without guarantee. Conditions of installer's and consumer's use of this product are beyond the control of manufacturer and distributor. Manufacturer and distributor disclaim any liability incurred in connection with the use of this product or information contained herein.

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