



CRU-P60 (Clear)

Product Information

Category: Sealer

Product No. 2004 Series

1.5 gallon kit

2:1 A to B

Available in Gloss or Satin

Description and Use:

High solids, high performance low VOC chemical resistant urethane that provides high chemical and wear resistance not found in standard polyurethanes. CRU-P60 complies with California's VOC regulations. Perfect for interior and exterior applications this product has excellent gloss retention and high UV resistance. Its high abrasion and scratch resistance accompanied with high chemical resistance make it a perfect choice for commercial and residential applications.

This high-performance urethane has been designed to be used for Residential Exterior and Commercial Interior and Exterior flooring. It is an ideal coating for projects that require a high gloss, ease of cleaning, high wear resistance and high chemical resistance. CRU-P60 may also be used in high traffic; high wear areas such as an airplane hangar, automotive repair facility, clean rooms and other areas requiring a high chemical resistance.

This engineered product used in the following Granicrete Systems:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Alternative Flooring | <input checked="" type="checkbox"/> 3D |
| <input checked="" type="checkbox"/> Interior (WB-P53 is preferred) | <input checked="" type="checkbox"/> Epoxy Flooring |
| <input checked="" type="checkbox"/> Exterior | <input checked="" type="checkbox"/> Shower FX |
| <input checked="" type="checkbox"/> Countertop | <input checked="" type="checkbox"/> Outdoor Islands |

Its significant characteristics include:

- ✓ Meets California's VOC requirements.
- ✓ High Wear and Chemical Resistance
- ✓ Great UV resistance
- ✓ Convenient 2:1 Mix; A:B=2:1
- ✓ Anti-Graffiti properties are enhanced when applied properly.
- ✓ Over 60% solids content.

Finish:

High Gloss Clear Finish

Satin finish available and can be applied directly to concrete and overlays without the need for primer.

Color:

Clear

Coverage:

200-300 sq. ft. per gallon (300-450 sf. per kit) depending on porosity and roughness of surface.

Packaging:

1.5-gallon kits: (1 gallon part A to 1/2-gallon part B)

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. After initial preparation has occurred, inspect the concrete for imperfections and treat as necessary.

For surface preparation recommendations consult the Technical Service Department. 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 parts A and B before mixing together.

Mix 2 parts A with 1 part B (by volume) together for 2 to 3 minutes with a slow speed drill mixer at 300 rpm. Be sure to scrape sides and bottom while mixing.

CRU-P60 has a 60-minute pot life and 10-minute working time at 77°F and low humidity. Mix, pour out and do not overwork material by working smaller sections.

Thinning:

Material is not recommended to be thinned.

Satin finish should always be thinned to help with an even coverage.

Application:

Turn off all ignition sources before using.

Begin by cutting in the concrete footings and edges with a brush. Pour a band of the mixed CRU material out onto the floor and begin rolling with a 1/4-3/8" nap roller. Work the material evenly to a wet film thickness of 4-5 mils (250-300ft/gallon). Try and work within the control or expansion joints usually found on concrete floors. Allow the CRU to dry to a slightly tacky state before proceeding to the next step.

Following coats should be applied within 30 minutes of being tack free or light sanding may be needed to de-gloss the film. If the floor goes beyond tacky and is hard then it will need to be sanded to scuff it up so subsequent coats stick to it. Remember this system is designed for speed so don't take a long break after applying the CRU. You can also use a fingernail test; if it is fairly difficult to leave a fingernail imprint then you must sand or screen the surface before applying another coat.

Drying Time:

Area may be opened to light foot traffic in 2-3 hours depending on environmental conditions. Area may be opened to light vehicular traffic in 12-24 hours depending on environmental conditions.

Pilot lights and surrounding sources of ignition may be put back into service typically after odor dissipates. This will take 3-6 hours after floor installation with adequate ventilation.

Handling Precautions:

Refer to SDS before using.

Limitations:

- Vapors subject to igniting. Vapor residual may exist up to 4 hours after installation depending on ventilation. Respirator highly suggested. See SDS.

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:

<u>Physical Properties</u>	
Mixing Ratio, by Volume	2-1
Solids Content, by Weight (Pigmented)	60-65%
Solids Content, by Volume (Pigmented)	60-65%
Solids Content, by Weight (Clear)	60-65%
Solids Content, by Volume (Clear)	60-65%
Volatile Organic Compounds	0 grams/liter
Viscosity, cps (77 degrees)	500 average
Pot Life (77 degrees, 1 quart mass)	1 hours
Pot Life (95 degrees, 1 quart mass)	30 min
Pot Life is reduced by increasing temperature and/or mass	
Dry Times (77 degrees)	
Dry to Touch	60-90 min
Recoat	Tack free after 30 minutes
Light Traffic	4 hours
Vehicle Traffic	24 hours
Higher temperatures will shorten cure time and lower temperatures will lengthen cure time	
<u>Performance Properties</u>	
Gloss (60 degrees)	90-95
Gloss (satin material, 60 degrees)	50-60
Hardness (Pencil/Sword)	2H/70
Tabor Abrasion (1000 gm. Load, 100 cycles, CS 17 wheel)	90
Crosshatch Adhesion	100%/100%
Impact Resistance (ASTM D-2794)	140/140 (lbs)
CHEMICAL AND STAIN RESISTANCE ... 7-DAY SUBMERSION)	
Brake Fluid	no effect
Blood	no effect
Transmission Fluide	Slight discoloration
Coolant	no effect
Power Steering Fluid	Slight discoloration
Gasoline	no effect
Battery Acid	Damaged
Acetone	< 200 Double rugs
MEK	< 200 Double rugs

Wear Personal Protective Equipment.

Read SDS before using this product.

DOT – Liquid Classification, regulated.

Manufacturer/Distributor Warranty: Manufacturer has no control over the actual installation of this product, the manufacturer disclaims any and all warranties expressed or implied regarding color shade, appearance, and product performance at and after opening product containers. Manufacturer recommendations and suggestions are made without guarantee. Conditions of installer's and consumer's use of this product are beyond the control of manufacturer. Manufacturer disclaims any liability incurred in connection with the use of this product or information contained herein.