



**ROCKSOLID® POLYCURAMINE
PROFESSIONAL FLOOR COATING**

DESCRIPTION AND USES

RockSolid® Polycuramine Professional Floor Coating is an industrial grade designed to provide excellent hardness, adhesion and durability on properly prepared concrete floors. It has excellent resistance to salt, oil, gasoline and other harsh chemicals. This product combines the key attributes from multiple chemistries to provide a self-leveling, flexible, fast curing, high gloss system.

PRODUCT FEATURES

- Low odor and can be applied indoors
- Formulated without the addition of VOC containing solvent
- One coat system
- Longer pot life than other 100% solids epoxies
- Patented Burst Pouch Technology
- 96% solids formulation
- Has excellent self-leveling properties
- 7 day recoat window without sanding
- Excellent durability in a single coat

KIT CONTENTS

- 4 - 90 fl. oz. Polycuramine Burst Pouches (U.S. Patent Number 8,381,903 B2)
- Instructions

PRODUCTS

SKU	DESCRIPTION
322759	Gray
322760	Dark Gray
322761	Mocha
322762	High Gloss Clear

PRODUCT APPLICATION

SURFACE PREPARATION

Moisture Testing - New concrete should be allowed to cure for 30 days before application of any coating. If there is any doubt about the dryness of the concrete, conduct a test by simply taping a piece of 4 mil plastic sheet 18x18" on the bare concrete for 24 hours. Be sure to tape all four sides. After 24 hours, check the concrete for signs of moisture. The concrete substrate will be darker if damp. If moisture is found, allow additional drying time (10-14 days) and repeat the test.

Testing for Sealer - Check for curing compounds or other types of sealers by pouring a small amount of water onto the concrete. If water soaks in, the surface is suitable for coating. If water beads up on the concrete, the surface is not porous and a test application is warranted to ensure proper adhesion will develop. Sanding or mechanical abrading may be required if proper adhesion does not develop.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

Previously Coated Floors - Previously coated floors need to be in good condition with proper adhesion to the concrete substrate. Check the adhesion of the previous coating by cutting a small X in the coating using a sharp razor knife. Firmly apply a piece of 5" duct tape over the center of the X cut, and then pull off with a fast snap. If more than 10% of the taped area is removed, the original coating is not bonded well and needs to be removed chemically or mechanically with a grinder.

For best adhesion, scuff sand previously painted or coated floor using 80 grit sandpaper and clean with solvent such as acetone. Or use **Rust-Oleum® Concrete & Garage Recoat Primer** (sold separately).

WARNING! If you scrape, sand or remove old paint from any surface, you may release lead paint dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE; ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

The concrete surface must be free of all dirt, grease, oil, fats, and other contamination. Remove surface contamination by cleaning with RockSolid Heavy Duty Degreaser, detergent, or other suitable cleaner. Rinse thoroughly with clean, fresh water and allowed to dry.

Use an appropriate concrete etching solution (do not use muriatic acid) per the instructions to create the proper surface condition to optimize coating adhesion. Rinse the floor thoroughly and allow it to dry completely.

MIXING

MIX ONLY ONE POUCH AT A TIME. Both components and the environment should be pre-conditioned to a minimum of 40°F (4°C) prior to use. Be sure the air and surface temperatures are at least 5° above the dew point.

Combine the two components by placing the pouch on the ground and rolling it from the part A side towards the part B side like a tube of toothpaste. This will create pressure in the part A side and force the middle seal to burst, allowing the two components to mix together. Thoroughly mix the materials by shaking the pouch back and forth and squeezing the edges and corners toward the center of the pouch. Mix for 2-3 minutes. The product is now activated and must be applied within 45 minutes to 1 hour.



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PRODUCT APPLICATION (cont.)

APPLICATION

Apply only when air, material and floor temperatures are between 40-90°F (4-32°C). Optimal installation temperature is 55-90°F (13-32°C). Extreme cold application temperatures may slow the cure time. **Do not apply in direct sunlight.** Do not coat the floor if it is raining or if extremely damp conditions exist. The concrete surface must be completely dry at the time of the application to achieve proper adhesion.

Once the material is thoroughly mixed, use a scissors to cut a corner off the pouch. Pour the contents of the pouch directly onto the floor in a 2-3" wide ribbon about 4' long. Trim the edges from the poured ribbon of material using a good quality synthetic brush. Roll out the ribbon evenly working in 4' x 4' sections in an "M" and "W" pattern. Continue working in 4' x 4' sections, pouring a new ribbon 2' away from the previous section. Use the roller to pull the material back first; then push forward to fill in the void between sections. Overlap into the previously coated areas while taking care to avoid creating thick spots.

If decorative chips are to be used, toss the decorative paint chips onto the wet coating. Leave a 6"-12" section of wet film without decorative chips. This section will be rolled into when coating the next 4' x 4' area. Skip this step if paint chips are not desired. The coating performance will not be affected.

Do not coat or roll over control joints. Use a flexible control joint fill material if desired. Repeat the above steps for each additional pouch.

SQUEEGEE APPLICATION (for large areas)

Pour mixed material onto the floor in a large ribbon about 12" wide, starting about 12" off the wall. Cut in using a good quality synthetic brush. Using a 1/8" notched squeegee, spread the material thin and even over the surface. Once an area of about 6-8 feet has been spread, use a roller to back-roll the material to even it out. With a fully saturated roller, use an "M" and "W" pattern to spread the coating on the floor evenly. Follow up with a cross-roll perpendicular to your original roll. Only one coat is necessary. Product must be used within the pot life indicated (see **Application Chart**) or gloss and color may appear uneven.

Do not coat over control joints or roll over control joints. Use a flexible control joint fill material if desired. Repeat the above steps for each additional pouch.

COVERAGE RATE

Each Polycuramine pouch covers up to 200-250 square feet. Coverage may vary based on condition and porosity of the concrete.

PRODUCT APPLICATION (cont.)

DRY TIME

Temperature and humidity may affect drying time. Do not walk on the coating while it is still tacky. Surface should be ready for foot traffic in 8-10 hours and vehicle traffic in 24-36 hours depending upon temperature and humidity.

CLEAN-UP

Clean tools and equipment with mineral spirits. Allow unused product to harden in container and dispose according to local regulations.

LIMITATIONS

This product must be installed at the specified spread rates to perform as described. Do not apply in direct sunlight. Do not apply product when the substrate and ambient temperatures are steadily below 40°F (4°C).

SHELF LIFE and STORAGE

Sixty (60) months in factory delivered unopened pouches. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 45-90°F. Keep out of direct sunlight and away from fire hazards.

PERFORMANCE CHARACTERISTICS

FLEXIBILITY (1/8" MANDREL)

METHOD: ASTM D1737
RESULT: Pass

HARDNESS SHORE D

METHOD: ASTM D2240
RESULT: 90

GLOSS @ 60°

METHOD: ASTM D523
RESULT: >95

ABRASION RESISTANCE

METHOD: ASTM 4060, CS 17, 1,000 gram load
RESULT: Loss/1000 cycles = 40 mg



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PHYSICAL PROPERTIES

		PROFESSIONAL FLOOR COATING
Resin Type		Cycloaliphatic Amine Converted Urethane Modified Epoxy
Pigment		Varies with color
Solvent		Benzyl Alcohol, 1-Choro-4-(Trifluoromethyl) Benzene
Weight	Per Gallon	9.1-9.3 lbs.
	Per Liter	1.09-1.11 kg
Solids By Volume		96%
Volatile Organic Compounds		<1 g/l
Practical Coverage		200-250 sq. ft./per pouch (4.9-6.2 m ² /l) (coverage rate can vary depending on texture and porosity of concrete)
Pot Life		45 minutes to 1 hour (depending on temperature and humidity)
Dry Times @ 70-80° F (21-27°C) and 50% Relative Humidity†	Tack Free	8-10 hours
	Dry Hard	12-16 hours
	Vehicle Traffic	24-36 hours depending on temperature
Shelf Life		60 months unopened factory delivered pouches
Safety Information		For additional information, see SDS

Calculated values are shown and may vary from the actual manufactured material.

† Dry times will be increase if temperatures are less than 55°F (13°C).

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