ROCKSOLID® POLYCURAMINE GARAGE FLOOR COATING KIT

DESCRIPTION AND USES

RockSolid® Garage Floor Coating Kit is 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 garage floor coating contains zero VOC making it environmentally safe and is packaged in pouches, which reduces waste.

PRODUCT FEATURES

- Low odor and can be applied indoors
- Formulated without the addition of VOC containing solvent
- One coat system
- 45 minute pot life
- 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

- Polycuramine Burst Pouch (Two part Burst Pouch Technology U.S. Patent Number 8,381,903 B2)
- Foam Roller
- Decorative Chips
- Concrete Etch
- Instructions

PRODUCTS

SKU	DESCRIPTION
286879	Gray 2.5 Car Kit
286891	Gray 1 Car Kit
286890	Mocha 2.5 Car Kit
286892	Mocha 1 Car Kit
308637	Dark Gray 2.5 Car Kit
308638	Dark Gray 1 Car Kit
318699	Black 2.5 Car Kit
318711	Black 1 Car Kit

PRODUCT APPLICATION

SURFACE PREPARATION

Proper surface preparation is critical to achieve best results. Scrub heavily soiled areas with RockSolid Heavy Duty Degreaser or Rust-Oleum Cleaner & Degreaser (sold separately). Scrub thoroughly, then rinse. Repeat as needed.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

Use the supplied RockSolid concrete etch per the instructions to provide the proper surface condition to ensure proper adhesion. Rinse the floor thoroughly and allow it to dry completely.

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.

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.

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.

MIXING

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

Form: GDH-604
Rev.: 013119

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PRODUCT APPLICATION (cont.)

MIXING (cont.)

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.

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 in 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. Use the supplied **RockSolid ⅜" Microfiber Roller Cover** on a 9" roller frame to apply the coating evenly to the floor 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.

Once a strip across the entire back wall has been coated, 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.

COVERAGE RATE

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

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.

PRODUCT APPLICATION (cont.)

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

FLEXIBLITY (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

	TECHNICAL DATA	RSD-01

ROCKSOLID® POLYCURAMINE GARAGE FLOOR COATING KIT

PHYSICAL PROPERTIES

Resin Type		Proprietary Blend of Epoxy, Urethane and Polyurea
Pigment		Varies with color
Solvent		Benzyl Alcohol, 1-Choro-4-(Trifluoromethyl) Benzene, Nonylphenol, Neopentyl Glycol Diglycidyl Ether
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./kit (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 @ 70-80º 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 55ºF (13ºC).

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