



ROCKSOLID® 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.

RockSolid Garage Floor Coating can be applied over multiple floor surfaces including wood and tile. It is ideal for garages, basements, workshops, laundry rooms and more. The surface should be free of loose particles, rust, oils and contaminants. It is recommended that this product be applied in a multi-directional (north, south, east and west) motion to help ensure proper coating thickness.

PRODUCT FEATURES

- Drive on 24 hours
- No hot tyre pick-up
- Low odour and VOC free
- Excellent chemical resistance
- High Gloss finish
- ECO safe
- Self-leveling and buidable
- Easy mix burst pouch

KIT CONTENTS

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

Items not supplied in kit which need to be purchased separately:

- 230 mm roller frame
- Extension pole
- Stiff bristled broom or scrub brush
- 75 mm paint brush

Other optional items that may be needed:

- Anti-skid additive
- Heavy-duty degreaser
- Fast Patch Concrete Repair Kit

PRODUCTS

SKU	DESCRIPTION
301715	Garage Grey Small Kit
301775	Garage Grey Large Kit
301776	Garage Tan Large Kit
301801	Garage Tan Small Kit
352091	Garage Dark Grey Large 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.

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 45 x 45 cm 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 100-120 mm 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.



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PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

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.

MIXING

MIX ONLY ONE POUCH AT A TIME. Both components and the environment should be pre-conditioned to a minimum of 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.

APPLICATION

Apply only when air, material and floor temperatures are between 4-32°C. Optimal installation temperature is 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 5-8 cm wide ribbon about 1.2 meters long. Trim the edges from the poured ribbon of material using a good quality synthetic brush. Use the supplied **RockSolid Roller Cover** on a 220 mm roller frame to apply the coating evenly to the floor in 1.2 x 1.2 meter sections in an "M" and "W" pattern. Continue working in 1.2 x 1.2 meter sections, pouring a new ribbon 60 cm 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 15-30 cm section of wet film without decorative chips. This section will be rolled into when coating the next 1.2 x 1.2 meter area. Skip this step if paint chips are not desired. The coating performance will not be affected.

PRODUCT APPLICATION (cont.)

APPLICATION (cont.)

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

COVERAGE RATE

Each Polycuramine pouch covers up to 16-23 m². 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.

CLEAN-UP

Clean tools and equipment with mineral turps. 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 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 7-32°C. 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

	TECHNICAL DATA	RSD-31
 <p>ROCKSOLID® THE WORLD'S TOUGHEST COATING®</p>	ROCKSOLID® GARAGE FLOOR COATING KIT	

PHYSICAL PROPERTIES

		GARAGE FLOOR COATING KIT
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		16-23 m ² per kit (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 @ 21-27°C and 50% Relative Humidity†	Tack Free	8-10 hours
	Dry Hard	12-16 hours
	Recoat	Maximum 7 days*
	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).

*If 7 days recoat time has elapsed, the coating must be sanded prior to recoating.

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