



ROCKSOLID METALLIC GARAGE COAT

DESCRIPTION AND USES

RockSolid® Metallic Garage Coat 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. Garage Coat has zero VOCs making it environmentally safe and is packaged in pouches, which reduces waste. This product combines the key attributes from multiple chemistries to provide a self-leveling, flexible, fast curing, high gloss system.

RockSolid Metallic Garage Coat is designed to be applied over multiple floor surfaces including tile. (Contact RockSolid Floors for more information). 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.

PRODUCTS

SKU	Description
287300	Silver Metallic

PRODUCT FEATURES

- Ultra low odour and can be applied indoors
- VOC Free
- 45 minute pot life
- Serves as both prime, basecoat and topcoat in one easy coat
- Patented Burst Pouch Technology
- 96% solids formulation
- Has excellent self-leveling properties with built-in shine
- 7 day recoat window without sanding
- Excellent durability in a single coat

PACKAGING

Two part Burst Pouch Technology
(U.S. Patent Number 8,381,903 B2)

APPEARANCE

High gloss

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 50 cm x 50 cm (18"x18") 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.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

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 porous enough 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 12 cm (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.

MIXING

Both components and environment should be pre-conditioned to a minimum of 4°C (40°F) prior to use. Be sure the air and surface temperatures are at least 5° above the dew point. Place a tarp on the ground and thoroughly mix the material in the pouch by shaking it both up and down and back and forth and squeezing each side of the pouch. Any clumps need to be massaged to break them up to ensure proper blending. Repeat the process for all pouches.

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 at least one minute.

APPLICATION

Apply only when air, material and floor temperatures are between 4-32°C (40-90°F). Optimal installation temperature is 13-32°C (55-90°F). 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.



TECHNICAL DATA

ROCKSOLID METALLIC GARAGE COAT

PRODUCT APPLICATION (cont.)

Once the material is thoroughly mixed, use scissors to cut a corner off of the pouch and pour contents into mixing bucket. Add the metallic tint (included) to bucket. Mix with paddle mixer and drill for 3-5 minutes. Pour the mixed material from the pouch directly onto the floor about a foot from the back corner wall in 10 mm (4") wide ribbons, about 1.5 m (5') long.

Roll out the material in 1.5 m x 1.5 m (5' x 5') foot sections. Once a strip across the entire back wall has been coated, use the roller to put circular patterns in the coating (like applying wax to a car) to ensure there are not bare spots, and will give the coating an opaque appearance once dry.

THINNING

None required

CLEAN-UP

Use acetone to clean tools and equipment before the product cures.

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 (40°F).

SHELF LIFE and STORAGE

Twenty-four (24) months in factory delivered unopened pouches. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 7-32°C (45-90°F). Keep out of direct sunlight and away from fire hazards.

PERFORMANCE CHARACTERISTICS

Flexibility, 1/8" Mandrel (ASTM D1737)	Pass
Hardness, Shore D (ASTM D2240)	90
Gloss (ASTM D523) @ 60°	>95
Abrasion Resistance (ASTM D4060) CS-17 Wheel, 1,000 g load, 1,000 cycles	40 mg

**TECHNICAL DATA****ROCKSOLID METALLIC GARAGE COAT****PHYSICAL PROPERTIES**

Resin Type		Proprietary Blend of Epoxy, Urethane and Polyurea
Pigment		Varies with colour
Solvent		Benzyl Alcohol, Isophorone Diamine, Nonylphenol, Diglycidyl Ether
Weight	Per Gallon	9.1-9.3 lbs.
	Per Liter	1.09-1.11 kg
Solids By Volume		96%
Volatile Organic Compounds		0 g/l
Practical Coverage at Recommended DFT		Primer/Basecoat RS Metallic System – 11.6 m ² /kit (125 sq.ft./kit)
Dry Times @ 21-27°C (70-80° F) and 50% Relative Humidity†	Tack Free	8-10 hours
	Dry Hard	12-16 hours
	Recoat	Maximum 7 days*
	Vehicle Traffic	36 hours
Shelf Life		24 months unopened factory delivered pouches
Safety Information		For additional information, see MSDS

Calculated values are shown and may vary slightly 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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