

**RUST-OLEUM®**  
INDUSTRIAL



## EPOXYSHIELD® GARAGE FLOOR COATING



# Complete kit, ultimate adhesion and durability

- 2-part water based epoxy
- Complete kit including instructions
- Resists gasoline, antifreeze, motor oil, salt and hot tire pick-up

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# EPOXYSHIELD® GARAGE FLOOR COATING

## DESCRIPTION

Epoxyshield® is a user friendly and easy to apply water-based epoxy garage floor coating with an ultimate adhesion and durability. The product has an excellent wear, impact and abrasion resistance like heavy foot and vehicle traffic. Resists chemicals.

## RECOMMENDED USE

Apply on concrete floors, which are completely clean and dry. It is not recommended to apply on smooth/dense concrete or concrete containing a curing compound, which will prevent a good adhesion. Epoxyshield® can also be applied on old good adhering coatings.

## TECHNICAL DATA

Density (g/cm <sup>3</sup> ):	1,27
Gloss Level:	Satin
Solids content in volume:	63.6%
Mixing Ratio:	Base : Activator = 3 : 1 (volume)

## DRY TIMES BY 20° C/RH 50%

Dry to handle:	16 hours (suitable for light foot traffic)
Dry to recoat:	48 hours (suitable for normal foot traffic and heavy items)
Fully cured:	7 days (suitable for vehicle traffic)
Pot Life:	2 hours (15°C), 1½ hours (20°C), 1 hours (25°C)
Induction Time:	Brush: 30 minutes (15°C), 10 minutes (20°C), Direct (25°C). Roller: 45 minutes (15°C), 15 minutes (20°C), 5 - 15 minutes (25°C)

## THEORETICAL CONSUMPTION

Each Epoxyshield® kit contains enough product to cover approximately 25 m<sup>2</sup> of smooth, bare concrete (a normal 1 car concrete garage floor). Very rough or porous concrete may require more material. Expect coverage of 12-20 m<sup>2</sup> on those surfaces

## SURFACE PREPARATION

Remove any oil or grease spots on the floor. Use a scrub brush and a cleaner/degreaser or use a solvent such as mineral spirits. Scrub the spot thoroughly and wipe up excess cleaner with rags or paper towels to keep contaminants from spreading. Rinse thoroughly with fresh water. Repeat as necessary to completely clean. Mix all concentrated cleaner from the kit with approximately 7½-litre water. Mix until dissolved (the cleaning solution contains citric acid). Pre-wet the floor using a hose. Remove pooled water with a squeegee or broom to avoid leaving puddles. Spread the cleaner mixture over a 3x3-m<sup>2</sup> section of the floor using a watering can. Scrub vigorously with a stiff bristle brush to loosen dust and dirt. While working, keep the entire section wet until the entire section has been cleaned and rinsed. Rinse each section thoroughly before starting the next section. For best results, use a foam squeegee to remove the rinse water from the surface and to move dirt and contaminants out of the garage. Once all sections are completed, rinse and squeegee the entire garage floor to remove any cleaner that has been tracked on previously cleaned areas. A wet/dry vacuum cleaner can also be used to eliminate excess water, dirt and contaminants. Do not leave pooled water on the floor. The cleaner will not discolour driveways or harm grass or plants if rinsed thoroughly. Allow the floor to dry completely. Wipe your fingers over the clean, dry floor. If you see any dust or powder on your fingers, repeat the rinsing and scrubbing until the floor is clean.

## DIRECTIONS FOR USE

Do not mix Paint Chips with Epoxyshield®. Pour the contents of A into B and stir thoroughly for at least 3 minutes. Allow mixed product to stand (see table) before rolling the coating on to the surface. Do not leave container in direct sunlight. Mix again before applying. The product must be used within 1 to 2 hours of initial mixing (pot life, see table). This time decreases at higher temperatures.

## APPLICATION CONDITIONS

Apply when air (ambient) temperature is 15-35°C and relative humidity is below 80%. Concrete floors take a long time to warm up; make sure the previous day has also been at least 15°C prior to painting. Minimum floor temperature for painting is 13°C. Painting in midafternoon ensures the best cure.

## APPLICATION & THINNING: ROLLER

After the full 60 minutes use a paint roller (20 cm) to apply an even coat of Epoxyshield® onto the surface. Apply in sections of 1,5 x 1,5 m so that paint chips can easily be scattered on the freshly coated surface. Maintain a wet edge to prevent lap marks and gloss differences. Sprinkle the decorative paint chips onto the wet film (note: this step may be skipped if chips are not desired). This will not affect the performance of the coating). Immediately continue to coat the next section (note: fresh paint can be applied over the loose chips that lay outside the previously painted area). This product must be used within 3 hours of initial mixing (pot life).

## CLEANING OF EQUIPMENT / SPILLS

Wash all tools and equipment immediately with warm water and mild detergent. Allow any unused product to harden in the container and discard according to local regulations.

## REMARKS

It is not recommended to apply Epoxyshield on floors treated with a levelling mortar or on anhydride floors. Since the application time is only 1 - 2 hours (depending on temperature) it is advisable to apply the product with 2 persons. Have 1 person begin trimming edges and have another person begin rolling out the floor as specified.

## SAFETY DATA

VOC level:	53 g/l
VOC readymix:	53 g/l
VOC category:	A/j
VOC limit:	140 g/l
Remarks regarding safety:	Avoid contact with skin and eyes. For skin contact, wash affected area with soap and water and rinse well. First aid: in case of contact with eyes, flush with cold water for 15 minutes. If swallowed, do not induce vomiting. Drink 1-2 glasses of water or milk. Contact a physician immediately. Keep out of reach of children. Do not take internally. Consult for further information the Safety Data Sheet and the Safety Information printed on the can.

## SHELF LIFE

Minimum of 5 years from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 35° C.

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**Available colours & pack sizes:** Please refer to the respective product page on [www.rust-oleum.eu](http://www.rust-oleum.eu) for an overview of actual available colours and pack sizes.

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