

PRODUCT DATA

Epoxyshield

Andrews Coatings Ltd
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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 and standing water. The kit consists out of a 2-part epoxy coating, a cleaning solution, decoration chips, paint paddle and a instruction DVD.

RECOMMENDED USES

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

Appearance: Semi gloss
Colour: Silver Gray
Density: Base: 1.32 kg/ltr
Activator: 1.13 kg/ltr
Solids Contents: Base: 54.5% by volume
Activator: 91.0% by volume

VOC-content: 53 g/l max.
Ready-to-use mixture: 53 g/l max.
Category: A/j
EU Limit values: 140 g/l (2007) / 140 g/l (2010)

Drying times bij 20°C/50% r.v.
To handle: 16 hours (suitable for light foot traffic)
To recoat: 48 hours (suitable for normal foot traffic and heavy items)
Full hardness 7 days (suitable for vehicle traffic)

Induction- and application time

Allow products to stand after mixing.

	15-20°C	21-25°C	26-30°C
Start brushing:	After 30 minutes	After 10 minutes	Direct
Start rolling:	After 45 minutes	After 15 minutes	After 5 - 15 minutes
Total application time (potlife):	2 hours	1½ hours	1 hours

Remark

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.

Coverage

Theoretical: Each Epoxyshield® kit contains enough product to cover approximately 25 m² 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 m² on those surfaces.

SURFACE PREPARTION

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.

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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 3-3-m² 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.

DIRECTION 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 & THINNING

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). Only one coat is necessary. This product must be used within 3 hours of initial mixing (pot life).

Cleanup:

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.

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 mid-afternoon ensures the best cure.

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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.

REMARKS

It is not recommended to apply Epoxyshield on floors treated with a levelling mortar or on anhydride floors.

SHELLIFE CONDITIONS

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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