



Epoxy Coat

WATER-BASED
GARAGE FLOOR COATING KIT
LOW ODOUR • LOW VOC • SATIN FINISH

INSTRUCTION MANUAL

IMPORTANT
READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

**SCAN
HERE**
for instructional
video



It is **HIGHLY RECOMMENDED** to also:

1. View the DY-MARK® EPOXY COAT INSTRUCTIONAL VIDEO
2. Refer to the Technical Data Sheet & Safety Data Sheet before use

These can be found at:
www.dymark.com.au
or by scanning the QR Code

If you have any questions before starting this project, please contact our call centre on 1300 396 275.



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Dy-Mark Epoxy Coat Water-Based is a low odour, low VOC, two-part water-based epoxy floor coating designed to provide a professional finish on INTERIOR bare concrete floors. **Epoxy Coat** resists hot tyre pick up and provides excellent resistance to heavy foot and vehicle traffic. **Epoxy Coat** is ideal for transforming bare concrete floors in single garages within an area of 18-20m² only.

EPOXY COAT WATER-BASED INFORMATION

Suitable Surfaces	Bare concrete floors. INTERIOR USE ONLY. For use in interior garage floor only. NOT intended for carports or areas exposed to direct sunlight. Epoxy Coat is NOT intended for use on unsound previous coatings, on tiles, wet areas or concrete floors that have a moisture problem.
Ideal Application Temperature	Air (ambient), product and floor temperature MUST be between 15°C and 35°C during application. Relative humidity MUST be below 85%.
Finish	Satin
Colour Range	Slate, Onyx Black, Carrara Grey, Titanium Grey, Tan
Coverage	4.5-5m ² per litre on smooth, bare concrete. A single 4 litre kit will cover a standard single garage (18-20m ²) with one coat. Only 1 coat is necessary under most circumstances. However, for weathered, discoloured, rough or porous concrete a second coat may be required.
Drying Time (at 20°C)	Touch dry: 2-3 hours Light foot traffic: 24 hours Heavy items and normal foot traffic: 48 hours Full cure and vehicle traffic: Allow 7-10 days Note: Low temperatures and/or high humidity levels will extend both dry and cure times.
Clean Up	Dispose of roller and brushes used to apply Epoxy Coat. Clean up tools, equipment and spills IMMEDIATELY with warm soapy water as dried epoxy is very difficult to remove. Allow left over epoxy to harden in container and dispose of according to council/regional regulations.

EPOXY COAT WATER-BASED - INDUCTION TIMES & POT LIFE table:

Temp (°C)	Relative Humidity (%)	Mix Time (Minutes)	Induction Time* (Minutes)	Total Pot Life* (Minutes)
15° - 20°	50	3-5	15-20	70
21° - 25°	50	3-5	10-15	60
26° - 30°	50	3-5	8-10	50
31° - 35°	50	3-5	4-5	40-45
Over 35°	Dy-Mark DO NOT recommend the application of Epoxy Coat above 35°C			

* **Induction Time:** Allow product to stand after mixing for this time before application.

* **Total Pot Life:** Use all mixed product within this time. (Includes Mix time and Induction time)

NOTE: Where concrete and ambient air temperatures are cooler, dry times will increase.

The above stated drying times depend on air circulation, temperature, film thickness and application methods.

To ensure best results, CHECK CONCRETE and DO NOT APPLY Epoxy Coat Water-Based IF THE FOLLOWING CONDITIONS EXIST:

Sealed Concrete	To determine if your concrete is sealed, drip a small amount of water onto the surface. If the water beads, a sealer has been used, and this must be removed prior to the application of Epoxy Coat. Do not apply Epoxy Coat over sealed concrete.
Previously Painted Concrete	If your concrete floor has been previously painted, this coating will need to be fully removed prior to the application of Epoxy Coat.
Moisture in Concrete	To determine if there is moisture in your concrete, tape a 60cm x 60cm clear plastic sheet (e.g. a heavy duty garbage bag) to the floor. Tape the edges down with duct tape and leave for 24 hours. If water droplets appear on the inside of the plastic or if the concrete appears wet (darker in colour), moisture has been trapped in the concrete and the floor should NOT be coated. Allow further 24 hours drying time before repeating test. If moisture persists seek professional advice before applying Epoxy Coat.
Loose or Poorly Cured Concrete / Concrete Dust	Epoxy Coat will not adhere to loose or chipped concrete or if concrete dust is present on the surface. Ensure that all loose material is removed from the surface and damaged areas are repaired prior to application of the coating.
New Concrete	Allow newly poured concrete to cure for a minimum of 4 weeks prior to coating. All new concrete floors need to be acid etched before application of Epoxy Coat.

Before you start, project requires:

Stiff bristled broom, good quality paint brush, roller (with long handle) & tray, good quality 12-16mm nap roller cover, painters masking tape, appropriate crack filler and filling blade, 120 grit sandpaper, utility knife, hose, watering can, long handle floor squeegee, degreaser/cleaner.

KIT INCLUDES:

- 1 Part A - Base
- 2 Part B - Activator
- 3 Concrete Etch
- 4 Decorative Flakes
- 5 Stirrer
- 6 Instruction Manual

* Images are indicative only



HINTS & TIPS:

- Suitable for **INTERIOR USE ONLY** on bare concrete floors.
- **Epoxy Coat is NOT intended for use on unsound previous coatings, on tiles, wet areas, or floors that have a moisture problem.**
- Do not attempt to prepare and coat floor in a single weekend. Concrete will require time to dry thoroughly after etching/washing.
- For best results, apply Epoxy Coat early morning. The lower temperatures will ensure longer pot life. (Please refer to Pot life table).
- Use a good quality brush and good quality 12-16mm nap roller cover to apply the product.
- Each kit is designed for a single use application (over approx. 18-20m²) once mixed. Not all garages are the same size so if there is left over epoxy, allow it to harden in container and then dispose of according to council/regional regulations.
- If your project is larger than 18-20m² and requires more than 1 kit, please ensure to purchase kits with the same batch number. This will ensure colour uniformity. Batch number is found on the product barcode label.
- If using more than 1 kit, do not mix both kits at once.
- It is NOT recommended to split the kit to cover smaller areas.
- Please ensure adequate ventilation during the curing process.
- For best results, please avoid vehicle traffic for a minimum of 7-10 days after application of Epoxy Coat. (Drying times will be longer at lower temperatures and higher humidity).

PREPARATION:

1. Clean Floor

Preparation is critical to performance.

Remove all dirt and dust by using a broom or vacuum. Use a scrubbing brush and a cleaner/degreaser to remove any oil or grease spots from the floor. Scrub the stained areas thoroughly and wipe up excess cleaner/degreaser with rags or paper towels to keep the residue from spreading.

Rinse surface thoroughly with water to remove all residue. Use a wire brush or power sander to remove any loose concrete or deteriorated coatings. Wash floor with detergent/cleaner and a stiff bristle broom. Rinse thoroughly and allow to dry.

Note: If the floor is not thoroughly cleaned, completely rinsed and dried, the coating may not adhere properly to the surface.

Bare concrete surfaces need to be etched to ensure proper adhesion of Epoxy Coat to the concrete.



2. Mixing and Applying Etch

Wear appropriate protective equipment. Empty the contents of the etch packet into a plastic bucket containing 5 litres of warm water. Mix etch into water thoroughly and pour solution into a watering can. Pre-wet the floor and distribute the etch solution over a 3 metre x 3 metre section of the floor at a time. Work the etch solution into the floor with a stiff bristle broom. The solution may fizz for about 3-4 minutes during the scrubbing process. Once the fizzing stops, hose off the solution and move onto next section.

Once etching is complete, rinse thoroughly. (Scrubbing with a stiff bristle broom whilst rinsing). A rubber floor squeegee or wet/dry vacuum can be used to remove excess water from the surface.

Once the floor is completely dry, wipe your fingers over the floor. If your fingers pick up dust or powder, continue to rinse and scrub until the floor is clean. When the floor is completely dry and your fingers remain clean, all etch solution has been removed.



TIP:

Use a watering can to help distribute mixed etch evenly across entire floor.



For best results, wait 72 hours after etching before applying Epoxy Coat. This will allow the concrete to dry thoroughly.

(Perform moisture test to ensure concrete is dry before applying Epoxy Coat).

To determine if there is moisture in your concrete, tape a 60 cm x 60 cm sheet of plastic (e.g. a heavy-duty garbage bag) to the floor. Tape the edges down with duct tape and leave for 24 hours.

If water droplets appear on the inside of the plastic or if the concrete appears wet (darker in colour), moisture has been trapped in the concrete and the floor should NOT be coated.

Allow 24 hours drying time before repeating test.

If moisture persists seek professional advice before applying Epoxy Coat.



3. Repair of Holes & Cracks in Concrete

If necessary, repair holes & cracks in concrete with an appropriate crack filler. Allow crack filler to dry, sand smooth and ensure to remove all dust before application of Epoxy Coat.

(Follow manufacturer's instructions for application and drying time of crack filler).



4. Tape up skirting/trim

For clean edges, use good quality painters masking tape to mask off all trim. Secure the tape by pressing the edge down with a putty knife.



5. Mixing Part A (Base) with Part B (Activator)

Thoroughly stir the contents in each container. Pour total volume of Part B into the Part A container. (Be certain to incorporate all of the Part B into Part A as this affects the colour and quality).



Mix together thoroughly for at least 3-5 minutes with a flat paddle stirrer. **(DO NOT POWER MIX WITH AN ELECTRIC DRILL)**

CAUTION: Painted surfaces may become slippery when wet. Anti-slip additive may be added to coating during mixing of the 2 parts. (Follow manufacturer's instructions).

WARNING: *Most epoxies are irritating to the skin and eyes. Always wear appropriate protective equipment during mixing and handling of this product, (e.g. gloves and mask).*



5. Induction Time

After mixing Part A with Part B, leave stand for the appropriate Induction time, whilst stirring occasionally. (Refer to Induction & Pot Life table). After the mixing and induction time, please be mindful of the limited pot life according to the application temperature. (Refer to Induction times & Pot life table). **Please ensure to apply all the product within 1 hour of initial mixing.** The product must be used within the pot life indicated. If product is used beyond the recommended pot life, the coating may deteriorate and appear to have uneven finish and colour. Do not apply the product when air (ambient), product or floor temperature is below 15°C.



IMPORTANT:

- **Mix Part A and Part B together thoroughly** to ensure that the epoxy is fully activated.
- After mixing Part A with Part B, leave stand for the appropriate induction time to ensure it is fully activated.
- **Do not mix the decorative flakes with Epoxy Coat.**
- **Do not mix the concrete etch with Epoxy Coat.**
- Do not leave container in direct sunlight.
- Do not add solvents, pigment or accelerator once the 2 parts have been mixed.
- Continue to stir the mix periodically throughout the application to ensure colour uniformity.
- Pot life is reduced as temperature increases. (Refer to Induction times & pot life table)

APPLICATION:

After the minimum Induction (standing) time, use a brush to trim the edges and areas where a roller cannot reach. Use a long handled roller with a good quality 12-16mm nap roller cover to apply an even coat of Epoxy Coat onto the surface. Apply in 1 metre x 1 metre sections, maintaining a wet edge to prevent lap marks. Distribute decorative flakes evenly over each wet, freshly coated section. (Skip this step if you do not require a decorative finish). Continue immediately onto the next 1 metre x 1 metre section.

Only 1 coat is necessary under most circumstances. However, for weathered, discoloured, rough or porous concrete a second coat may be required.



TIP:

Split decorative flakes into 4 containers and use a container on each quarter of the floor. This will help to ensure even distribution of decorative flakes over entire floor.



TIP:

For ease of application, have someone on hand to apply the decorative flakes as the product is rolled out. This will help you to work within the pot life times.



RE-COATING:

If it is determined that a second coat is required, please do not add flakes to the first coat. (Add the flakes during the application of the second coat). Also, do not use etch solution to clean the first coat. (Etch is only used to clean bare concrete surfaces). Apply 2nd coat after 24-48 hrs depending on temperature and drying conditions.



TIP:

Before removing the painter's tape from skirting boards, use a utility knife to cut through the coating in the corners which has overlapped onto the painter's tape. This will minimise lifting.



SAFETY DIRECTIONS:

Refer to Safety Data Sheet before use. Do not eat, drink or smoke when using this product. Avoid breathing vapours. Ensure adequate ventilation during use.

STORAGE: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

DISPOSAL: Dispose of roller and brushes used to apply Epoxy Coat. Dispose of contents/container according to council/regional regulations. Allow left over paint to harden in container for disposal via chemical waste collections. Empty paint containers should be left open in a well-ventilated area to dry out. When dry, empty containers are recyclable via steel can recycling programs.

FIRST AID

KEEP OUT OF REACH OF CHILDREN

IF SWALLOWED: Rinse mouth. Do not induce vomiting.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of water and soap.

Contact a Poisons Information Centre: Australia: 13 11 26, or a doctor/physician/first aider if you feel unwell.

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The information provided within these instructions is intended as a guide only. Dy-Mark recommends customers undertake their own risk assessment prior to use to determine the suitability of the product for the particular use intended. As environmental/surface conditions and correct use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



For additional product information, refer to Technical Data Sheet or Safety Data Sheet available from:

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