



SOLVENT-BASED

EPOXY FLOOR COATING

INSTRUCTION MANUAL

IMPORTANT

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

It is **HIGHLY RECOMMENDED** to also:

1. View the AUTOTECH® EPOXY FLOOR COATING INSTRUCTIONAL VIDEO
2. Refer to the Technical Data Sheet & Safety Data Sheet before use

These can be found at:

www.autotechaustralia.com
or by scanning the QR Code

**SCAN
HERE**

for application
instructions



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

EPOXY FLOOR COATING

Solvent-Based Epoxy Floor Coating is a durable, two-part, solvent-based epoxy floor coating designed to provide a professional finish on bare INTERIOR concrete floors.

Epoxy Floor Coating has excellent resistance to heavy foot traffic, vehicle traffic and hot tyre pick up. **Epoxy Floor Coating** kits are ideal for transforming bare concrete floors in double garages within an area of 36-40m² only.

EPOXY FLOOR COATING SOLVENT-BASED INFORMATION

Suitable Surfaces	Bare concrete floors. INTERIOR USE ONLY. NOT intended for carports or areas exposed to direct sunlight. Epoxy Floor Coating is NOT intended for use on 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	Gloss
Colour Range	Manhattan, Sterling Grey, Carbon
Coverage	4.5-5m ² per litre on smooth, bare concrete. A single 8 litre kit will cover a standard double garage, workshops & sheds (36-40m 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.
Clean Up	Dispose of roller and brushes used to apply Epoxy Floor Coating. Clean up tools, equipment and spills IMMEDIATELY with Xylene 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 FLOOR COATING - INDUCTION, POT LIFE & DRY TIMES table:

Temp (°C)	Relative Humidity (%)	Induction Time* (Minutes)	Total Pot Life*	Touch Dry (Hours)	Mix Time (Minutes)	Recoat (Hours)	Light Foot Traffic (Hours)	Heavy Items/Normal Foot Traffic (Hours)	Vehicle Traffic (Days)
15°- 20°	50	30	5 hours	24-48	3-5	48-96	48	96	10-15
21°- 25°	50	30	4 hours	18-24	3-5	24-72	24	72	7-10
26°- 30°	50	20	2 hours	12-16	3-5	24-72	24	60	7-10
31°- 35°	50	20	90 Minutes	8-12	3-5	24-60	24	48	7-10
Over 35°	Autotech DO NOT recommend the application of Epoxy Floor Coating above 35°C								

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

* Total Pot Life: Use all mixed product within this time frame.

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 Solvent-Based Epoxy Floor Coating 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 Floor Coating. Do not apply Epoxy Floor Coating 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 Floor Coating.
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 Floor Coating.
Loose or Poorly Cured Concrete / Concrete Dust	Epoxy Floor Coating 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 Floor Coating.

Before you start, project requires:

Stiff bristled broom, good quality paint brush, roller (with long handle) & tray, good quality 12-16mm nap roller cover, painter's masking tape, appropriate crack filler and filling blade, 120 grit sandpaper, utility knife, hose, watering can, long handle floor squeegee, degreaser/cleaner, 10-15 litre bucket/container.

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 Floor Coating is NOT intended for use on previous coatings, on tiles, wet areas, or floors that have a moisture problem.**
- Do not attempt to prepare and coat the floor in a single weekend. Concrete will require time to dry thoroughly after etching/washing.
- For best results, apply Epoxy Floor Coating mid 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. 36-40m²) 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 36-40m² 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 Floor Coating. (Drying times will be longer at lower temperatures and higher humidity).
- Porous floors may bubble/off gas during application when the ambient temperature rises quickly. To avoid such occurrences, apply Epoxy Coat mid morning when the ambient temperature and concrete floor temperatures are relatively equal.
- The etch process **MUST** be completed on all bare, unpainted concrete floors. This includes new concrete floors. This step will provide the best surface profile for the epoxy to adhere to.

Preparation:

1. Clean Floor:

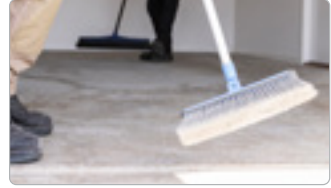
Preparation is critical to performance.

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 previous 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 unpainted concrete surfaces, including newly laid, **MUST** be etched to ensure proper adhesion of Epoxy Floor Coating to the concrete.



2. Mixing and Applying Etch:

Wear appropriate protective equipment. Empty the contents of the etch packet into a plastic bucket containing 10 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 Floor Coating. This will allow the concrete to dry thoroughly.

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

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 Floor Coating.



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 Floor Coating.

Ensure all filler is sanded back to the concrete as raised areas will stand out in the coating once applied.

(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.

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



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

Thoroughly stir the contents of both Part A and Part B. Pour Part A into a 10-15 litre bucket and then ADD Part B. Mix together thoroughly for at least 3-5 minutes with a flat paddle stirrer.

(DO NOT POWER MIX WITH AN ELECTRIC DRILL)



6. Induction Time:

After mixing Part A with Part B, leave stand for the appropriate Induction time, whilst stirring occasionally. (Refer to Induction, Pot Life & Dry times 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). 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

- Ensure the contents of both part A and part B are completely stirred before combining.
- 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 Floor Coating.
- Do not mix the concrete etch with Epoxy Floor Coating.
- 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:

PAINTING PROCESS:

After allowing the minimum Induction (standing) time as per the EPOXY FLOOR COATING - INDUCTION, POT LIFE & DRY TIMES table on page 1, use a brush to trim the edges and areas where a roller cannot reach.

Using a long handled roller with a good quality 12-16mm nap roller cover, apply a liberal coating of Epoxy Floor Coating onto the surface. Apply in 1 metre x 1 metre sections, maintaining a wet edge to prevent overlap marks.

Continue to thoroughly stir the epoxy mixture throughout the application process to ensure colour uniformity.

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 to maintain the wet edge.



TIP:

1. 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.

2. 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.

IMPORTANT: Make sure to refer to the INDUCTION, POT LIFE & DRY TIMES table at the beginning of this manual before walking, placing weighted items or driving upon the surface.

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



SAFETY DIRECTIONS:

Refer to Safety Data Sheet before use. Eliminate all potential sources of ignition in or near the workplace. 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 Floor Coating. 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.

Caring for your epoxy floor:

- Cleaning dirt and grit from your floor will help avoid scratches and scuff marks.
- To avoid scratches, do not drag items along the floor.
- Do not allow water to pool on the floor.
- Remove chemical and oil spills immediately with an absorbent paper towel.
- Do not use harsh soaps or cleaning agents on your epoxy floor.

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.



The information provided within these instructions is intended as a guide only.

It is recommended 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:

AutoTech Australia

30 Bernoulli Street, DARRA QLD 4076

Phone: 1300 396 275

Email: info@autotechaustralia.com

Or visit: www.autotechaustralia.com

