

# TECHNICAL DATA SHEET

Dy-Mark (Aust) Pty Ltd PO Box 1556 • Toowong 4066 • Phone: 1300 396 275 • Fax: 1300 360 440  
www.dymark.com.au



## Epoxy Coat



**Dy-Mark's Epoxy Coat** is a fast dry product that gives a professional finish to interior concrete floors. Epoxy Coat resists hot tyre pick-up and provides excellent wear and abrasion resistance to heavy foot and vehicle traffic. Epoxy Coat is ideal for transforming garages, workshops, laundries, rumpus and games rooms and retail floors.

### DIRECTIONS FOR USE

#### EPOXY COAT - POT LIFE & DRY TIMES

Temp (C°)	Relative Humidity	Pot Life	Touch Dry	Recoat	Light Foot Traffic	Heavy Items/ Normal Foot Traffic	Vehicle Traffic
15°C	50%	5 Hours	16 Hours	48-96 Hours	48 Hours	72 Hours	10 Days
20°C	50%	4 Hours	12 Hours	24-72 Hours	24 Hours	48 Hours	7 Days
25°C	50%	2 Hours	10 Hours	16-72 Hours	24 Hours	48 Hours	7 Days
30°C	50%	90 Minutes	8 Hours	16-60 Hours	24 Hours	48 Hours	7 Days
35°C	50%	90 Minutes	8 Hours	10-48 Hours	24 Hours	48 Hours	7 Days

#### CHECK CONCRETE FOR THE FOLLOWING CONDITIONS BEFORE APPLYING EPOXY COAT:

<b>Sealed Concrete</b>	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.
<b>Previously Painted Concrete</b>	If your concrete floor has been previously painted, this coating will need to be fully removed prior to the application of Epoxy Coat.
<b>Moisture in Concrete</b>	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.
<b>Loose or Poorly Cured Concrete / Concrete Dust</b>	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.
<b>New Concrete</b>	Allow newly poured concrete to cure for a minimum of 4 weeks prior to coating. New concrete with a smooth finish may require etching prior to coating. Test surface by dripping a small amount of water onto the surface. If the water beads before slowly soaking into the concrete, the surface will need to be etched. New concrete with a rough finish will not require etching.

#### Preparation

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 brush. Rinse thoroughly and allow to dry. **Bare concrete surfaces need to be etched to ensure proper adhesion of Epoxy Coat to the concrete.**

#### Application

##### Mixing and Applying Etch

Empty the contents of the Etch packet into a plastic bucket containing 10 litres of warm water. Wear appropriate protective equipment. Pre-wet the floor and distribute the etch solution over a 3 metre x 3 metre section of the floor. Work the etch solution into the floor. 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 brush whilst rinsing). A foam/rubber 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. Once your fingers remain clean, all etch solution residue has been removed. For best results, wait 24 hours after etching before applying Epoxy Coat. This will allow the concrete to dry thoroughly.

##### Mixing Activator & Base

**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). Do not mix the decorative chips with Epoxy Coat.

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Thoroughly stir the contents in each can. Pour Part A into a 12-20 litre bucket and then add Part B. Mix thoroughly for at least 3-5 minutes.

**CAUTION:** Painted surfaces may become slippery when wet. Anti-Slip additive may be added to coating during mixing of the 2 parts.

## IMPORTANT:

- Mix thoroughly to ensure that the epoxy is fully activated.
- Do not leave container in direct sunlight.
- Do not add solvents, pigment or accelerator once the 2 parts have been mixed.
- At temperatures between 20-35°C, wait 15 minutes before applying the coating. At temperatures between 15-20°C, wait 30 minutes before applying the coating. Refer to Pot Life & Dry Times table.
- If you will be using more than one kit, do not mix both kits at once.
- Pot life is reduced if more than 8 litres are mixed, or if the temperature exceeds 30°C.
- The coating must be applied within the times listed in the Pot Life & Dry Times table to ensure even gloss and colour. Quality of the coating will deteriorate outside of these times.

**Note:** The data provided within this Technical Data Sheet is intended as a guide only. The performance of the product will vary depending on differing operating conditions and application methods. For additional information, please see the Material Safety Data Sheet.

## TECHNICAL DATA

<b>Size:</b>	8 Litre kit, 500g Decorative Flakes, 500g Etch
<b>Finish:</b>	Gloss
<b>Colour:</b>	Slate, Sand Dune, Warm White, Clear
<b>Consistency:</b>	Liquid
<b>Coverage:</b>	8 Litre kit will cover a standard double garage (36 – 40sqm)
<b>Suitable Surfaces:</b>	Concrete – interior use ONLY
<b>Drying Time:</b>	Refer to Pot Life & Dry Times table
<b>Temperature:</b>	Between 15°C and 35°C

## STORAGE

KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE BELOW 50°C. Do not store in direct sunlight.

## DISPOSAL

Allow left over paint to dry and dispose of in your normal rubbish. Seek advice from your local council regarding accepted disposal methods for empty paint cans.

## SAFETY INFORMATION

ELIMINATE ALL POTENTIAL SOURCES OF IGNITION IN OR NEAR THE WORKPLACE. DO NOT SMOKE AND ENSURE ADEQUATE VENTILATION DURING USE. Avoid breathing vapours and contact with skin and eyes. Wear appropriate protective equipment.

Please note that the slip resistance and performance of this product depends on many factors outside the control of Dy-Mark; including surface preparation, correct application and environmental conditions.

Dy-Mark recommends a risk assessment prior to use to determine if the product is suitable to the:

- Slip resistance required
- Surface type
- Volume of traffic
- Potential exposure to any surface contaminants e.g. water, solvents or chemicals

For more information regarding the product's slip resistance or anti-slip additives, please contact the Dy-Mark Sales and Customer Support Centre on 1300 396 275.

## FIRST AID

### KEEP OUT OF REACH OF CHILDREN

**If swallowed:** Do not induce vomiting.

**Eye contact:** In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice from your doctor or Poisons Information Centre (**Australia: 13 11 26; New Zealand: 0800 764 766**).