

DIY WB EPOXY

DESCRIPTION

RECOMMENDED USES

- Garages
- Shop floors
- Offices
- Sporting clubs
- Warehouses
- Schools
- Rumpus Rooms
- Storerooms

The DIY Epoxy is a pre-tinted water-based epoxy that has been designed for the home handyman. This DIY Epoxy is created from advanced raw materials and exclusively designed for Australian environments with a simple two step application process and easy to use 1:1 Mix ratio.

The DIY Epoxy is formulated to create a thick layer that applicators can use as a foundation for broadcasting their Flake mixes. The significant presence of epoxy resins ensures exceptional bonding to the substrate and provides a secure attachment of the flakes to the coating.

This pioneering technology offers minimal odour and emits low VOC. You won't find a commercial grade product that's as effortless to apply in the market.

TECHNICAL DATA

FEATURES & BENEFITS

- Water based
- Simple 1:1 Mixing Ratio
- Very low odour
- Excellent binding properties
- Great Pot life
- Excellent Adhesion
- Easy to use
- Wash with water

Mixed Solids:	50%
Coverage:	8-10 sqms per litre / per coat**
Mixing Ratio:	1:1 by Volume
Pack Size:	10 litre kit
DFT:	60 - 100micron
Dry time:	4-6 hours*
Re-coat:	6-24 hours*
Full Cure:	5 days*
Pot Life:	50-60 minutes* visible through thickening

*Depending upon relative humidity, air circulation, temperature, and film thickness

** Coverage will depend on how much water is added to the mixed product

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SURFACE PREPARATION

New concrete must be cured for a minimum of 28 days before coating. Surface to be treated must be cleaned and structurally sound. If pre-existing coatings exist, it should be removed, all non-structural cracks and holes should be repaired with our AFS Crack Repair Kit. The surface must be clean, dry, and free from all traces of loose material, old coatings, curing compounds, release agents, laitance, oil, grease, mildew, dust, and other contaminants.

All new or old concrete surfaces should be prepared by mechanical grinding, or at a minimum acid etch.

How to Acid Etch Concrete

After you have cleaned the concrete from any surface contaminants as listed in the previous paragraph, you are ready to acid etch your concrete. To apply the mixed solution to the concrete, we advise using a watering can. Create the mixture by combining 1-part Hydrochloric Acid with 4 parts water. Begin by pouring the water into the watering can and then add the acid. Prior to applying the solution, dampen the concrete with water, being careful not to create water puddles on the surface. Spread the mixed solution evenly across the area, use a hard bristled broom to push around and scrub into the concrete. When you're spreading the acid mixture around be cautious not to splash the solution onto the walls. You should notice a fizzing reaction, wait for it to stop bubbling, this can take between 3-15 minutes. Once the bubbling has stopped, rinse off with water immediately, do not allow the acid to dry.

IMPORTANT: it is essential to remove all traces of acid from the surface, rinse the surface well, for best results use a high-pressure cleaner.

We recommend neutralising the concrete after hosing off the acid. You can achieve this by using a mixture of 1 cup of baking soda in 4 litres of water, or a PH Neutral cleaner. This step will ensure the concrete is safe and properly prepared for further treatments or use.

If the area that is to be acid etched is too large, divide it into smaller manageable sections.

Handling Hydrochloric Acid

Ensure safety equipment is worn when working with acid, eye wear, gloves, and appropriate footwear. Avoid breathing in the fumes of the Hydrochloric acid.

Always pour the acid into the water.

Any areas where the Hydrochloric acid is handled should be wet to minimize acid staining.

MIXING

Mixing ratio is 1:1 by volume (1 Part A: 1 Part B)

Mix each part thoroughly ensuring to clean the mixer between mixing each part to avoid cross contaminating either product.

Mix Part B into Part A and stir thoroughly until the mixed product has a uniform consistency.

It is recommended that a mechanical stirrer is used for this process to achieve optimum uniformity.

Mix for 1-2 minutes to ensure the two components are thoroughly mixed.

Mix half the kit for the first coat. Part A 2.5 litres and Part B 2.5 litres, add 10% water (500mls) to the mixed product.

Repeat the process for the second coat, if required, you can add 5% water (250ml) to the mixed product.

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APPLICATION

1st Coat – Prime Coat

Apply the mixed epoxy to the substrate.

After the epoxy has been mixed, pour the contents into a roller tray, and apply it evenly using a paint brush or a lint free 11-12mm nap roller. Apply the product at 8 sqms per litre.

TIP – Identify the halfway point in the area to be epoxied. When you reach this point check that you have used approximately half of the mixed product. At this point you can reassess how you're applying the product.

2nd Coat – Base Coat

Base coat must be applied within 24 hours of the application of the prime coat. If Base Coat is applied after 24 hours, we recommend lightly sanding the prime coat to create mechanical adhesion. Apply Base coat evenly using a brush or lint free roller, with an estimated coverage rate of 7-9 sqm per litre.

TIP – Identify the halfway point in the area to be epoxied. When you reach this point check that you have used approximately half of the mixed product. At this point you can reassess how you're applying the product.

TIPS

When mixing products use clean buckets.

As soon as the mixing process has finished, transfer the contents into another clean bucket or pour into a roller tray. Leaving the mixed contents in the same container the epoxy was mixed in will reduce the pot life of the product.

Avoid low surface/air temperatures as well as high humidity as this will increase drying time and curing rate.

Do not apply below 10°C or above 85% relative humidity.

Ensure adequate air movement.

Discard any material which has exceeded the pot life. This is visible through product thickening.

DIY WB EPOXY TDS

CLEANING

Wash up in water immediately after use.

COMMENTS

For safety see the Material Safety Data Sheets

Important information

Please ensure you read the SDS and TDS thoroughly and carefully prior to use. Application, performance, or safety data may change from time to time. In the event of an emergency, contact the Poisons Information Centre (13 11 26 within Australia) or a doctor for advice. **IF THE SITUATION IS LIFE THREATENING DIAL 000 IMMEDIATELY.** Industry standards recommend the accurate recording of time, dates, batch numbers, consumption rates and environmental conditions including the substrate and air temperatures, humidity levels, dew point readings during both the application and curing processes. Full material warranties cannot be provided unless all the relevant data has been recorded accurately and in accordance with industry standards.

Product Disclaimer

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