

# Epoxy Glaze 2



Epoxy Glaze 2 is a two-component, clear 100% solids epoxy coating with very low odour and VOC's (volatile organic compounds). It has good UV resistance and is hard wearing, waterproof and oil proof. Aggregates can be incorporated to achieve desired slip resistance.

## USE

Epoxy Glaze 2 is recommended for use as a protective coating on concrete surfaces exposed to chemicals, foot and vehicular traffic. Can be used for sealing concrete areas but is often used as a topcoat for other epoxy flooring systems.

## FEATURES AND BENEFITS

- 100% solids giving good film build
- Good UV resistance
- High gloss
- Good work time
- Good curing properties
- Very low VOC emission
- Very low odour

## TYPICAL APPLICATIONS

- Motor workshops
- Schools and institutions
- Food and beverage
- Aircraft hangars
- Back of house areas
- Stock and plant rooms

## CHEMICAL RESISTANCE

Acids	Alkalis	Solvents	Oils	Mechanical Fluids
Hydrochloric 10%	Ammonium Hydroxide 20%	Toluene	Crude	Skydrol
Nitric 10%	Sodium Hydroxide 20%	Turpentine	Mineral	Brake Fluid
Sulphuric 10%	Potassium Hydroxide 20%	Xylene	Engine	Petrol
Phosphoric 10%	Bleach	White Spirit	Vegetable	Antifreeze

## APPLICATION GUIDELINES

Epoxy Glaze 2 is usually applied by roller.

Apply 2 coats at 6–8m<sup>2</sup> per litre

Dry film thickness approximately 140µm per coat.

Temperature and the surrounding atmosphere play a part in the curing process of epoxy coatings. Under conditions of lower temperatures and higher humidity the final finish can be adversely affected resulting in low gloss or in more severe instances a white film over the surface after contact with water. Adhesion can also be affected.

To minimise an unsatisfactory cure the following indicative application conditions should be observed with respect to temperature and humidity levels:

21°C and less than 85% humidity

10°C and less than 75% humidity

Attention also needs to be paid to the substrate temperature which should be at least 3°C above the dew point during the curing phase.

Approximate application data for 23°C and 75% relative humidity.

Mix ratio by volume (Resin: Hardener)	3:2
Pot life	20 minutes
Tack free time	6 hours
Recoat time	8-36 hours
Foot traffic	12 hours
Full cure	7 days

#### Surface preparation

- Concrete substrate shall be firm, clean and dry with a compressive strength of 25 MPa and surface tensile strength of 1.5MPa minimum.
- New concrete must be allowed to cure for a minimum of 28 days.
- Repair imperfections (holes and cracks) with an epoxy patching compound such as Hychem GP where necessary.
- Remove surface laitance, contaminants, coating, curing compound and all weak and loose materials.
- Prepare concrete surface by water blasting or diamond grinding to provide the appropriate surface profile for optimum mechanical keying.

#### Mixing

- Mix with a jiffy mixer at a speed of 500rpm to avoid incorporating excessive air into the mix.
- Mix for 1 minute, scrape down the sides of the mixing container and mix for another minute to ensure the mix is homogeneous.

#### Applying

##### Smooth finish

- Apply by brush, roller or airless spray at a rate of 6–8m<sup>2</sup>/litre. Apply 2 coats.

##### Non-slip finish

- If a fine non slip finish is required, it is possible to mix approximately 80# or finer aggregate into Epoxy Glaze 2 and roll for even distribution.
- If a coarser non slip finish is required then aggregate should be broadcast into the wet applied product and sealed with one or more subsequent coats.

#### PACKAGING

5 Litre This kit will cover approximately 35m<sup>2</sup>.

10 Litre This kit will cover approximately 70m<sup>2</sup>.

#### SAFETY PRECAUTIONS

- Wear gloves, eye protection and overalls during mixing and application.
- Ensure there is adequate ventilation.

#### SHELF LIFE

12 months from date of manufacture when stored under shelter at 23°C and in original un-opened container.

#### Disclaimer

The technical information and application advice given in this publication is based on the best information available at the time of print. As the information herein is of a general nature, no assumption can be made as to the product suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.