

Product Information

Duraprime

Description

Duraprime is a water-based epoxy primer that treats and seals surfaces in preparation for later waterproofing. It can be used on both damp and dry surfaces and is especially effective for priming new concrete as it penetrates the surface, forming a strong, waterproof bond and allowing for easy overcoating.

Duraprime is a twin pack, water-based epoxy primer of brushable consistency for clean cementitious surfaces.

Product Uses

- Primer for damp and dry surfaces and bituminous surfaces before application of **Protectakote**. Particularly suitable for areas of high wear or heavy use.
- Sealer for screeds.

Advantages

- Easy to apply, no skilled labour required
- Can be applied to damp surfaces
- Compatible with most surfaces
- Economical, no specialised equipment required

Coverage

- Coverage is 5 to 7 m² per litre per coat depending on porosity of surface.

Surface Preparation

Concrete

- Make sure that the surface to be coated is sound, clean, dry and free from dust and other contaminants. Particularly oil, grease, curing compounds, release agents, chalk or mildew
- Any damage to be repaired and returned to sound condition.
- Remove any loose or flaking material by wire brushing and/or using an acid etch with a dilute hydrochloric acid solution. Suitable products include Johnstone's acid etch solution
- Thoroughly wash the surface and allow to dry completely, if excess acid is left it might lead to delamination.
- Whilst application may be made to damp surfaces (e.g. new concrete) they must not be wet.
- Moisture content of less than 10% is recommended to allow sufficient penetration of primer into concrete.
- To test for excessive moisture, cover area overnight with a plastic sheet and observe condensation on the plastic sheet or a noticeable discolouration of the concrete.

Wood

- The surface must be clean and dry and the wood should be well sanded with 120 grit paper.
- Ensure that the sanding dust is cleaned away and solvent wipe with Xylene.

Mixing

- Add part A to part B. Mix thoroughly to a uniform milky colour. Mixing ratio 1: 2.5 by volume.
- Total contents of part A and part B must be mixed together. No variation to this ratio is acceptable.

Application

- Wait for approx 30 minutes for mixture to start to react
- Apply thinly by brush or roller.
- The compound becomes transparent when dry and can then be over coated. Duraprime has a yellow tint to it so is not suitable for use with clear Protectakote or Safekote.
- As a primer only one coat is required.



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Over-coating

- Once fully cured inter-coat adhesion may be reduced.
- **Protectakote** or **Safekote** should be applied after a minimum of 6 - 8 hours (20C), it can be applied the following day but no more than 72 hours should be allowed before applying the **Protectakote**. If there is any risk of contaminants getting on to the surface before it is overcoated it should be solvent wiped with a Xylene dampened cloth.

Cleaning

- Utensils, hands can be cleaned with water while still wet.

Precautions

- Wet Duraprime is toxic but not flammable.
- Once cured these materials are non-toxic, inert and harmless.
- Always wear gloves when working with Duraprime and provide adequate ventilation.
- Avoid excessive inhalation and skin contact.
- If material is splashed in the eye, wash with copious quantities of water and obtain medical attention.

Technical Data

Pack size	1 litre and 5 litre
No components	Two
Mixing ratio	Part A and Part B 1: 2.5 by volume
Touch drying time	1 to 8 hours
Overcoating time	6 to 8 hrs at 20°C (ideal)
Curing time	4 to 12 hours depending on conditions
Pot life	4 hours at 25°C
Volume Solids	22% to 24%
Service Temperature	0°C to 40°C
Application temperature	8°C to 35°C
Flash Point	Non flammable
Density	1.03 g/cm ³
Toxicity	Toxic in wet state
Fire Hazard	None
Cleaner	Water when wet
Shelf life	24 months
Storage	Cool dry conditions between 5°C and 25°C

Technical details above are provided in good faith. We are an ISO 9001 2000 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use.

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