

TECHNICAL DATA SHEET FOR

HYDRO-EPOXY PRIMER

DESCRIPTION	:	High performance water-based epoxy primer / barrier coating. This environmental-friendly two-pack paint has low odour and is safe to handle.
TYPE	:	Two-pack, water-based epoxy-amine primer for concrete, cementitious and masonry surfaces.
COLOUR	:	White
FINISH	:	Low gloss
USES	:	<ul style="list-style-type: none">• Ideal as a primer coat, barrier coat or tie coat between any single-pack coatings, two-pack water based topcoats.• For application on concrete floors and walls of food factories, laboratories, institutions and interior of buildings.
FEATURES	:	<ul style="list-style-type: none">• Excellent adhesion to fully cured 2-pack coatings, glazed tiles, glazed brickwork and power float concrete.• Fast drying at ambient temperature.• Environmentally friendly water-based paint, low odour during application.• Non-toxic, does not contain lead, mercury and heavy metals.• Easy application and touch-up.

APPLICATION DATA

METHOD	:	Brush, roller or airless spray
THEORETICAL COVERAGE	:	11.5 m ² / litre (40 microns DFT)
DILUTION	:	Not required
SURFACE PREPARATION	:	Ensure surface is clean, dry and stable using the following suggested surface treatments: <ul style="list-style-type: none">• Moisture :There must not be any water residue on the surface of the substrate. Moisture must be <4% (Sovereign moisture master) before application• Unstable matter :Remove loose bonding film, dirt, peeling paint, etc by high-pressure water jet wash or mechanical means such as power brush or scraper, whichever is suitable• Contaminants :Remove dust and foreign matter by cleaning with damp cloth. Remove oil or grease using solvent or mild detergent. Allow surface to dry

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- **Fungus and Algae** :Wash the affected area to remove unstable matters and micro-organisms. Apply Anti-Fungus Solution and leave on for at least 2 hours
- **Hairline cracks** :Fill cracks with suitable exterior grade water-resistant putty or filler

DRYING TIME	:	Touch Dry - 30 minutes at 30°C
OVER COATING TIME	:	4-8 hours at 30°C
CURING TIME	:	Maximum 3 days for full cure
RECOMMENDED PAINTING SYSTEM	:	1 coat Hydro Epoxy Primer 2 coats of suitable protective or decorative finish
CLEANING	:	All equipments should be cleaned with water immediately after use

PERFORMANCE DATA

Property	Test Method	Results
Pencil Hardness	ASTM D3363-92A	Min. H
Adhesion Test	ASTM D3359-93	Passed
Humidity Resistance	SS5 Pt G6: 1992	Passed

GENERAL INFORMATION

SOLID CONTENT	:	Above 60% by weight (mixture) (Base on White) Min. 45% by volume (mixture) (Base on White)
SPECIFIC GRAVITY	:	1.50 ± 2% kg/litre (mixture) (Base on White)
NO. OF COMPONENTS	:	Supply in 2 components: Hydro-Epoxy Primer Base Hydro-Epoxy Primer Hardener
MIXING RATIO	:	Hydro-Epoxy Primer Base – 3 parts by volume Hydro-Epoxy Primer Hardener – 2 parts by volume
POT LIFE	:	Approx. 45 minutes after mixing at 30°C. May vary according to ambient temperature.
PACKING	:	5 litres set: -Hydro-Epoxy Primer Base – 3 litre -Hydro-Epoxy Primer Hardener – 2 litre
STORAGE	:	Store in a tightly sealed container in a cool dry place

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SHELF LIFE : Base : Up to 12 months in a tightly sealed container
Hardener : Up to 12 months in a tightly sealed container

PRECAUTION : Avoid painting when the temperature is below 7°C or the humidity is over 85%. Ensure good ventilation during application and drying of paint. Avoid direct contact with sensitive skin. Use appropriate personal protective equipment.

Refer to the product Safety Data Sheet for more information

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

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