

# hydraprime

Two Part Water Based Epoxy Primer



## DESCRIPTION

HYDRAPRIME is a two-part waterborne epoxy coating system designed to act as a moisture and vapour barrier primarily over rigid cementitious substrates.

## FEATURES & BENIFITS

- Environmentally friendly
- Water cleanup
- Equal part by volume mix ratio
- Non-flammable
- Excellent adhesion to brick, masonry, concrete, compressed fibreboard, stone, and timber.
- Potable water approved to AS4020

## PACKAGING

HYDRAPRIME is available in a 20 litre kit.  
Part A, 10 litres / Part B 10 litres.

## COVERAGE RATES

As a Water Vapour Barrier      3-5sqm/litre  
As a concrete sealer              3-5sqm/litre

## TYPICAL PROPERTIES

PROPERTY	RESULT
Appearance	Uniform amber liquid
Colour	Amber when dry
Finish	Semi-gloss
Specific Gravity	Approximately 1.10 kg/l
Viscosity	Approximately 10,000 cps
Pot life	1 hour at 25 °C
Recoat Time	4-6 hours at 25 °C
Full Cure	7 days at 25 °C
Weight Solids	54 +/- 1%
Volume solids	43 +/- 1%
Water vapour transmission (ASTME96-05)	11.3 g /m <sup>2</sup> / 24hours
VOC (See Note 1)	← 5 g/ltr

## RECOMMENDED SUBSTRATES

- In-situ concrete
- Brick, block, and stonework
- Fibre cement and AAC panels
- Precast and tilt up panels



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## SURFACE PREPARATION

All surfaces to be treated must be structurally sound and all previous coatings, adhesives, efflorescence, or laitance should be removed by chipping, abrasive blast cleaning, high pressure water blasting, mechanical scrubbing, or other suitable means.

All surfaces must be cleaned free from dirt, grease, oil, or other surface contaminants.

Holes, non-structural cracks, and other surface deformities should be repaired using a Third-Party product in accordance with the technical data sheets.

Very porous or "boney" concrete may require additional coats of **HYDRAPRIME**. The first coat acting as a primer, penetrating into the pores of the concrete. Ensure recoat times are adhered to between applications (refer to precautions).

### Mixing.

Thoroughly mix each liquid component separately with a low-speed electric drill until uniform.

Combine equal volumes of Resin and Hardener in a clean mixing pail and mix with a low-speed electric drill until uniform. Avoid trapping air during mixing as this may cause later pin holing in the coating during application.

Continue mixing for a minimum of five minutes until the colour is homogeneous and free of lumps.

## APPLICATION

The coverage rate as specified must be achieved to ensure adequate performance. Apply by brush, roller, or T bar. Successive coats should be applied at right angles to the previous coat. It is recommended that as application progresses, the coating depth be tested at random points with a wet film gauge/comb.

Clean all tool and equipment with clean, warm water before the grout dries and cures.

## PRECAUTIONS

Some individuals may experience a skin reaction to **HYDRAPRIME**. Those individuals should wear personal protection equipment. Refer to our Material Safety Data Sheet for more information.

**HYDRAPRIME** cure rates will be dramatically reduced if relative humidity is above 85%.

Do not apply **HYDRAPRIME** to excessively wet surfaces. **HYDRAPRIME** should never be diluted.

Apply **HYDRAPRIME** between 10-35 °C.

In enclosed areas, such as water tanks or reservoirs, ventilation should be provided during curing cycle to enable adequate evaporation of the coating.

Do not apply **HYDRAPRIME** over any substrates that have been previously treated or coated with curing compounds, PVA concrete bonding agents or acrylic coatings. These areas must be mechanically cleaned by grinding or shot blasting to produce a contamination free surface.



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## COOL SUBSTRATE AND COLD CLIMATES

HYDRAPRIME curing rates will be dramatically reduced if substrate surface or ambient temperature is below +10°C.

If possible warm the substrate surface area where HYDRAPRIME is to be applied by air blower or use a blower after application. Always provide adequate ventilation during the curing cycle.

## STORAGE

HYDRAPRIME should be stored between 10°C and 30°C. Shelf life is 1 year in original unopened container. Partly used containers must be sealed tight when not in use.

## FIRE

HYDRAPRIME is non-flammable.

## WARRANTY

Polybit Waterproofing Systems products are manufactured very rigid quality standards and guarantees the performance of Hydrapoxy when the following applications are followed.

- Applied to adequately prepared and structurally sound surfaces
- All tiling installed in accordance with AS3958
- All waterproofing membrane installed in accordance with AS4654 and AS3740
- All relevant requirements of NCC
- Polybit Waterproofing Systems TDS or other written instructions

Polybit Waterproofing Systems Will warrant its products for 10 years from time of application. If any product that have been applied in accordance with its specific data sheet or with Polybit Waterproofing Systems written instructions that have been proven faulty or defective, Polybit Waterproofing Systems will replace product free of charge and cover labor of original installation.

## DISCLAIMER

The information, and, in particular, the recommendations relating to the application and end-use of Polybit Waterproofing Systems products, are given in good faith based on Polybit Waterproofing Systems current knowledge and experience of the products when properly stored, handled and applied under normal conditions.

It is your responsibility to ensure that our products meet your requirements, are used and handled correctly in accordance with any applicable Australian Standard, our instructions and recommendations and only used for the applications for which they are intended.

In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.

We also reserve the right to update information without prior notice to you to reflect our ongoing research and development.

The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with these.



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