ALDRIDGE
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High Performance Membranes
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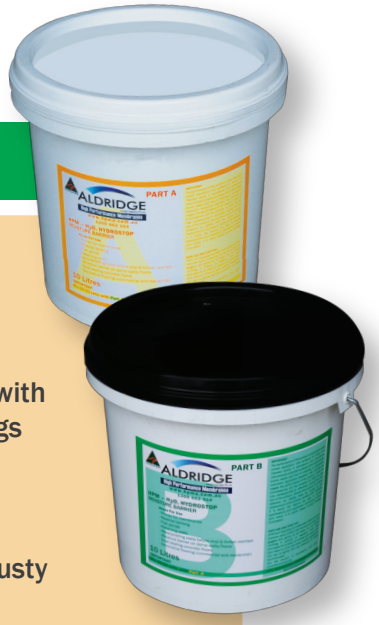
TECHNICAL DATA
ALDRIDGE CORPORATION

HPM-HYDROSTOP

Water-Based 2 Part Epoxy Primer Moisture Barrier



FEATURES AND BENEFITS

- Non-flammable & no odour
- Can be applied to green concrete and damp surfaces
- Conforms to requirements of Building Code of Australia
- Prevents rising damp
- Hydrostatic pressure resistant
- Has excellent adhesion to most substrates
- Easy clean-up with soapy water

RECOMMENDED FOR

- Concrete, masonry, bricks, fibrocement
- Water retaining curing aid (membrane) for concrete suitable for further finishing with decrotive or industrial coatings
- Water-inpregnable coating to protect against dampness or seepage
- Binder & reinforcement for dusty & eroded concrete surfaces
- Below ground applications such as basements, liftwells, retaining walls & carparks

HPM-Hydrostop is a grey, two part waterbased epoxy for concrete, masonry, fibro and other cementitious surfaces. HPM-Hydrostop may be mixed in equal parts by either weight or volume.

Recommended Applications

As a water-impermeable coating to protect against dampness and seepage.
As a water retaining curing aid (membrane) for concrete suitable for further finishing and decorative or industrial coatings.
As a binder and reinforce for dusty and eroded concrete surfaces,
Water tanks,retaining walls,sewerage tanks.
As a primer for aluminum angles, pvc, upvc pipes and all non porous surfaces indoor and outdoor.

Technical Data

Resin Base

Appearance: Grey liquid
Chemical Base: Epoxy Resin
Solids: 67%
Viscosity: 100,000cps
Specific Gravity: 1.50

Hardener

Appearance: White Liquid
Mixing Ratio: Equal parts, weight or volume
Pot Life: 1 Hour
Surface Appearance: Matt
Touch Dry: 6 Hours
Hard Cure: Overnight , 20° C
Complete Cure: 28 days, 20° C
Minimum Curing Temperature: 5°C
Permeance: 0.37x 10-8gPa.s.m2
ASTM E96-94: Sect 12 (water method)
Potability: Conforms to AS/NZS 4020-1999

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Application

Where it is intended to use HPM-Hydrostop as a water retaining aid to assist the curing of concrete under optimum conditions it may be applied to new concrete as soon as the latter has hardened. Otherwise the general recommendations for the preparation of concrete surfaces for overcoating should be adhered to.

HPM-Hydrostop is usually reasonably tolerant with regard to surface preparation. Nevertheless to maximise adhesion it is important that application is to sound clean concrete. Laitence should be removed by acid etching or sweep blasting. Acid etched concrete should be neutralised with dilute ammonia and then thoroughly rinsed with water to remove all water soluble salts which impair adhesion of the coating. Old concrete should be thoroughly cleaned with detergent cleaners. Severe contamination with oil and grease should be removed by steam cleaning. If penetration of the pores has occurred, mechanical cutting back to clean concrete may be required.

Add the hardener to the base and thoroughly stir it in by hand or by means of a hand-held mechanical mixer until all of the hardener is completely absorbed into the base.

It is advisable to allow the mixed composition to mature 5-15 mins before application. Where it is intended to use part units the resin base should be thoroughly stirred before removing smaller quantities. HPM-Hydrostop may be applied by brush, roller, air assisted or airless spray.

Application should be completed before expiry of working life which is indicated by a marked increase in viscosity.

HPM-Hydrostop may be applied as supplied to produce a wear resistant matt coating. However addition of 10% water will assist spraying and penetration.

Apply one coat for dust sealing, two coats for waterproofing, two to three coats for wear and soil resistant industrial flooring. For cement modifications still larger amounts of water may be added.

It may be further overcoated when the touch-dry stage is reached.

Cured at room temperature HPM-Hydrostop will be ready to accept foot traffic next day. For heavy traffic, as for instance fork lifts trucks, it is advisable to wait a few days.

HPM-Hydrostop has been formulated to show optimum curing and application characteristics in the temperature range from 15-25 °C. At lower temperature the rate of cure will slow down considerably and at higher temperatures the working life of the mixed composition may become too short for manual application.

As with all water-based coatings it is inadvisable to use

HPM-Hydrostop under conditions of low temperatures and high humidities.

Clean Up

Clean up of brushes, roller sleeves and spraying equipment is by means of soapy water.

Packaging

20 litre unit (10L base in 10L pail, 10L hardener in 10L pail).

Hazard and First Aid

Refer to Material Safety Data Sheet.

Safety & Handling

Material Safety Data Sheet available upon request.