



TECHNICAL DATA SHEET

HYDROPEL



WATER BASED EPOXY PRIMER

UV STABLE AND ECO-FRIENDLY

A water-based interior/exterior primer and waterproofing coating. Engineered for use with elastomeric waterproof membranes, ceramic tile and stone installation systems as a primer and bonding agent.

Coverage
3m²/L



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TECHNICAL NOTES: AT 21°C

TACK TIME	< 30 MIN
POT LIFE	1 HOUR
INITIAL SET	6 HOURS
COAT WITHIN	24 HOURS
FULL CURE	3 - 7 DAYS

TECHNICAL NOTES: AFTER 28 DAYS

TENSILE STRENGTH	< 3.00 MPa
SPECIFIC GRAVITY	1.27 g/L ± 0.05 g/L

Available packaging: 2L plastic pail (Part A) and 2L plastic pail (Part B).

Description:

Hydropel 2 Part Epoxy is a 2-part epoxy based emulsion with uses ranging from water/damp proofing, priming hard to bond to substrates such as polyester resin (fibreglass), and reducing the transmission of negative hydrostatic pressure prior to installing elastomeric membranes, tile or stone.

Hydropel 2 Part Epoxy is a proven solution for waterproofing applications. For use in roofing, basements, shower recesses, bathrooms, balconies, and swimming pools etc. **Hydropel 2 Part Epoxy** cures to a permanent seamless membrane that has excellent adhesion to a wide range of substrates. **Hydropel 2 Part Epoxy** does not break down with age, exposure to ultraviolet radiation or weathering.

Suitable for hot or cold climates.

Uses:

Suitable for use on many substrates including Gyprock, fibre cement sheet, concrete, brickwork, polyester resins, fibreglass, render and plasterboard.

Hydropel 2 Part Epoxy can be used to water/damp proof basements, kitchens, bathrooms, balconies and decks, and shower recesses, to repair and restore of leaking roofs, and to provide a damp proof membrane in a sandwich panel construction. **Hydropel 2 Part Epoxy** is also suitable for deck areas, planter boxes and retaining walls as long as they are protected by a drainage mat or corflute protection sheet. **Hydropel 2 Part Epoxy** is suitable for



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swimming pools and water features (consult ATA for full technical details on use in swimming pools).

Instructions for Use:

Surface Preparation:

All substrates should be sound, clean and free of dust, oil, laitance, grease and curing compounds. Loosely adhered particles such as rust scale and cement smears should be thoroughly cleaned with a wire brush or other such implement. Polyester/fibreglass should be sanded to remove the shine from the gel coat.

Concrete:

All new concrete surfaces must be cured (4 weeks old) with a semi-rough surface appearance. Rendered surfaces must be allowed to cure for a minimum of 7 days prior to the application of **Hydropel 2 Part Epoxy**.

Gypsum/Plasterboard and Cement Sheets:

Must be installed to the manufacturer's guidelines.

Bond Breakers:

A 35mm bond breaker must be used in internal corners.

Mixing:

Mix equal parts of Part A and Part B liquids in a clean mixing pail, clean water can be added at 10–15% of the mix and thoroughly mixed prior to application of the epoxy. Use all epoxy material within 45 minutes of mixing. This will vary depending on the temperature, hot weather will speed up the setting time whilst cold weather will slow down the setting time.

Method of Application:

The mixed epoxy can be applied to the substrate with a brush, roller or trowel. Only a thin coating of the epoxy is required, however very porous substrates may require a second coat. This second coat must be applied with 24 hours of the first coat. Additional applications such as elastomeric waterproof membranes and tile adhesives can be applied within 8 hours of the application of the epoxy. When used as a wet bonding agent, self-leveling underlayment, concrete, renders or screeds should be applied while the epoxy is wet and tacky.

Cleaning:

All tools and implements should be thoroughly cleaned with water immediately after use.



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Health, Safety and Handling:

Refer to the Safety Data Sheet for full, detailed instructions in accordance with the hazardous chemicals code of practice.

Avoid contact with eyes and prolonged contact with skin. To avoid contact with skin and eyes wear protective clothing, goggles, gloves, safety shoes etc. If contact with eyes does occur, immediately flush with water and seek medical advice.

Expansion/Control Joints:

Membranes, screeds and mortars should not be applied directly over expansion/control joints. Depending on the type of joint, the membrane should be pre-fabricated into 150mm wide strips with reinforcing mesh, and looped down into the joint to allow for additional movement without causing excess stress to the membrane. Alternately, a closed cell foam backer rod can be placed over the joint, and the membrane applied over the backer rod to allow for additional movement. Consult ATA for technical service if you have any questions. All expansion/control joints should be carried up through screeds and tile work and must conform to Australian Standards and good trade practices. Movement joints should be carried through the installation.

Storage/Shelf Life:

When stored in a cool, dry place the contents of the original unopened container can typically be used approximately twelve (12) months from the date of manufacture.

Warranty:

"Australasian Tiling Adhesives Pty Ltd ("ATA") warrants that **Hydropel 2 Part Epoxy** ("the goods") will be free of defects for a period of up to **Seven years** from date of installation, subject to the goods being utilised and installed strictly in accordance with Australian Standards and industry guidelines. The use of the goods is beyond the control of ATA and/or the supplier and the liability of ATA under this warranty is restricted only to the replacement of the material found to be defective. Structural failure of the substrate is not covered by this warranty and the manufacturer and/or supplier of the goods will not be liable for any damage whatsoever arising from the incorrect use of the goods. A warranty claim must be made in writing by email to [\[admin@ata.com.au\]](mailto:admin@ata.com.au) by you within seven days of becoming aware of the defect. Proof of purchase by you, the date of purchase, and evidence of who installed the product, with relevant contact details, must accompany all claims. In the event of a dispute arising in relation to a claimed defect, ATA reserves the right to engage an independent expert to investigate and report, and the cost of the expert will be borne by the party at fault. The benefits to you given by this warranty are in addition to other rights and remedies you may have under any law in relation to the goods to which the warranty



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relates. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods replaced or repaired if the goods fail to be of acceptable quality and the failure does not amount to a major failure.”

Contact Details:

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