

## Two Pack 100% Solid Epoxy Penetrating Primer

# ENVIROSET 4001

**PRODUCT DESCRIPTION** - A & I Coatings **ENVIROSET 4001** is a clear two pack, solvent free, 100% solids epoxy with excellent penetration, surface hardness and adhesion to concrete substrates. ENVIROSET 4001 exhibits high water resistance, chemical and oil resistance.

### TYPICAL APPLICATIONS

- Penetrating primer for Concrete Substrates.

### TECHNICAL INFORMATION

Vehicle Type	: Epoxy.
Hardener	: Amine.
Mixing Ratio	: 2 : 1 (Part A : Part B) by Volume.
Pot life	: Approx 45 mins @25°C.
Finish	: Gloss.
Colour	: Clear.
Dry time	: Touch Dry 4 hours@25°C.
(minimum)	: Full cure 7 days.
Recoat time	: 16 hours minimum. Maximum varies with the environment condition and the topcoat used.
Primer required	: No
Theoretical Coverage	: 5-10 m <sup>2</sup> /litre Dependant on application.
Volume Solids	: 100%.
Recommended DFT	: Dependant on application.
Usual no. of coats	: 1-2 (dependant on substrate).
Abrasion Resistance	: Very good.
Chemical Resistance	: Contact <b>A &amp; I Coatings</b> for specific recommendations. Resistant to a wide range of acids and alkalis, vegetable and mineral oils. Not resistant to strong oxidising acids, phenols or amines.
Heat Resistance	: Up to 120°C (Dry Heat).
Solvent Resistance	: Excellent for many solvents.
Thinning	: V122 Epoxy Thinners.
Cleanup	: V122 Epoxy Thinners
Durability	: Excellent, but will chalk under UV exposure without damage to the integrity of the coating.
Product weight	: 1.10Kg/Litre Pack A, 0.98 Kg/Lit Pack B

### MERITS

1. Can be used as a seal coat and also for a subsequent coat for **A & I Coatings'** high performance coating system.
2. Exceptional wetting characteristics & hard wearing.
3. Can be used as air releasing sealer for new concrete surfaces.

### LIMITATIONS

1. This product will chalk when continuously exposed to sunlight. This chalking in no way impairs the performance of the coating.
2. Not to be applied on thermoplastic coating.
3. Do not use for immersion service unless adequately top coated..

**APPLICATION DATA**

**Mixing** : Blend Pack A with Pack B to correct ratio. Power stir thoroughly for at least two minutes prior to use. Allow to stand for 10 minutes in cold weather. Only mix required amount and use within the stated pot life.

**Cleaning Equipment** : V122 Epoxy Thinners  
: Airless spray, brush or roller.  
Note: If airless spray is running too hot, it may set off a faster cure time.  
Care must be taken to roll or brush out uneven surface

**SURFACE PREPARATION****Concrete**

Surface must be sound, dry, free from all loose material, laitance, old coatings, dust and surface contaminants (e.g. oil, grease, chemicals, release/curing agents etc).

Smooth or contaminated surfaces must be mechanically treated by abrasive blasting or grinding to achieve a clean anchor pattern for best adhesion. Oily surfaces must be detergent cleaned and water blasted. In some instances acid etch and water blasting may be adequate to form a 'key' for sufficient adhesion.

**WORK STOPPAGES** : Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with **A & I Coatings** recommended cleaner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.

**CLEAN UP** : Clean all equipment after use with **A & I Coatings** recommended cleaner. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time (including delays).

**PACKING & STORAGE**

**Packing** : Available in 4.5 & 15 L kits. For other sizes, contact **A & I Coatings**.

**Storage** : 12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter. Store above 10°C.

**HEALTH AND SAFETY** : All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for ENVIROSET 4001. Users should familiarise themselves with all the safety aspects of the product prior to use.

Please ensure the current Technical Data Sheet is consulted prior to specification or application of **A & I Coatings** products. **A & I Coatings** will in many instances provide Area Specific Instruction Sheets which contain detailed instructions on how to achieve desired results for specific areas. If the surface intended to be painted differs from the specification, please consult the **A & I Coatings** Technical team on 1800 819 585.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

*Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on site conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.*

**DISCLAIMER**

Since the use and application of this product is beyond our control we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty.

For additional information, phone our Customer Service Centre on 1800 819 585, or e-mail [helpdesk@aicoatings.com](mailto:helpdesk@aicoatings.com)

Visit our website for more products: [www.aicoatings.com](http://www.aicoatings.com)

June 2013 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.