

# ENVIROSET 2000



## Two Pack Water Based Extra Clear Epoxy

Technical Data Sheet Number 186

PRODUCT DESCRIPTION	A & I Coatings <b>ENVIROSET 2000</b> is a two pack water borne very clear epoxy coating with excellent film properties and surface hardness. This self priming and environmentally friendly coating system is ideal as a floor coating with excellent adhesion and chemical resistance.																											
USES & BENEFITS	Concrete floors, walls and machinery in areas such as: <ul style="list-style-type: none"> <li>• Factories &amp; Warehouses</li> <li>• Schools and laboratories</li> <li>• Food and beverage industry</li> <li>• Polished floor sealing</li> <li>• Hospitals and shopping centres</li> <li>• Exposed aggregate seal coat</li> <li>• Dust sealing powdery concrete</li> <li>• Seamless flooring</li> </ul>																											
	<p><u>Benefits</u></p> <ol style="list-style-type: none"> <li>1. Can be easily brushed or rolled</li> <li>2. Can be used over damp surfaces</li> <li>3. Excellent surface hardness and water resistance</li> <li>4. May be applied down to 8°C</li> </ol>	<p><u>Limitations and Notes</u></p> <ol style="list-style-type: none"> <li>1. Enviroset 2000 Clear Satin can only be applied to concrete after first applying a coat of E2000 Clear Gloss.</li> <li>2. Amine bloom may occur if humidity is above 80%.</li> <li>3. Minimum surface temperature should be at least 3°C above dew point.</li> <li>4. Chalking will occur during full sunlight exposure without loss of film integrity. Can be over coated with Envirothane topcoats for UV resistance</li> <li>5. Satin version is very thick. Mix whole of (4 Litre) pack</li> </ol>																										
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ENGINEERING DATA (cont.)	Dry Heat Resistance	120°C			
	Solvent Resistance	Excellent			
	Salt Spray Resistance	Very Good			
CURING DATA	Substrate Temp.(°C)	Touch Dry	Dry to Handle	Full Cure	Recoat Min
	25 °C	6 hrs	24 hrs	7 days	6 hrs
	Note	Abrade if recoating after 7 days.			
APPLICATION DATA	Mixing	Blend Pack A with Pack B and power stir thoroughly for at least 2 minutes. The first coat can normally be walked on after 5-6 hours and the second coat applied. The floor is then ready to take light to medium traffic after 24 hours. Potlife time must be closely monitored as water based epoxies may not go hard at the end of the Potlife.			
	Application	Airless spray (rec tip range = 13-15 Thou), roller or brush.			
	Thinning	Water (Thin up to 10 - 30% with water if necessary only).			
	Cleaning	Use water, mild detergent or methylated spirits.			
SURFACE PREPARATION	General	All surfaces to be structurally sound and free of contamination, particularly salt deposits. Loose or flaking paint must be removed by abrasive blast cleaning, power tool cleaning or sanding. Oil, grease, dirt etc must be removed with detergent and water blasting in accordance with AS 1627.1.			
	Concrete	Allow new concrete surfaces to cure for a minimum of 28 days before painting. Surface to be painted should be free from oil, grease etc in accordance with SSPS – SP1. To get uniform surface profile, use shot blasting, diamond grinding or acid etch. (Note: Acid etching is not recommended if excessive form oil is present in the concrete).			
	Repaints	All surfaces should be free from oil, grease, loose previous paint flakes and other contaminates. Though Envirothane 2000 may give good adhesion, a test patch is always recommended before use.			
	Steel	Degrease the surfaces and remove all weld spatter and flux. Grind sharp edges and corners. For best results abrasive blast clean to specified/recommended AS 1627-1 to 10 class Sa 2.5. Apply A & I Coatings primer to specification. Please consult A & I Coatings Technical team for particular specifications.			
WORK STOPPAGES	General	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. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, (including delays).			
PACKING&STORAGE	Packing	Available in 4L or 20L kits. For availability of other sizes, contact A & I Coatings			
	Storage	12 months if stored in sealed containers away from heat & frost. Subject to re-inspection thereafter.			
HEALTH & SAFETY	All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Envirothane 2000. Users should familiarise themselves with all the safety aspects of the product prior to usage. 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 onsite 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)

September 2019 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.