

# ENVIROSET 2200

## TECHNICAL DATA SHEET

Two Pack Water Based Pigmented Gloss Epoxy Coating



A & I Coatings ENVIROSET 2200 is a two-pack water borne epoxy with excellent film properties and surface hardness. It has high water resistance, good adhesion properties and is surface tolerant. ENVIROSET 2200 is ideal as a floor coating because it is easy to clean and various non-slip ratings can be achieved with the addition of suitable media.

<b>USES &amp; BENEFITS</b>	Concrete floors, walls and machinery in areas such as: • Primed Steel as a build or barrier coat • Factories, warehouses and hangars • Food and beverage industry • Chemical industry • Hospitals, shopping centres, schools and laboratories	
	<b>Benefits</b> <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. Excellent cleanability</li><li>5. Can be used for high film build if incorporated with appropriate fill media</li></ol>	<b>Limitations</b> <ol style="list-style-type: none"><li>1. Not suitable for direct painting on steel without primer</li><li>2. Not to be applied below 10°C and above 85% R.H.</li><li>3. Chalking will occur in full UV exposure, but without loss of film integrity. Can be over coated with suitable Envirothane topcoats for UV resistance</li><li>4. Only available in full gloss</li></ol>
<b>PHYSICAL PROPERTIES</b>	Vehicle Type	Epoxy
	Hardener	Polyamide
	Ratio	2:1 by volume (Part A : Part B)
	Pot Life	1 hour @ 25°C
	Finish	Gloss
	Theoretical Coverage	4.5 to 6m <sup>2</sup> /Litre at 75 to 100µm DFT/ 160 – 210µm WFT
	Volume Solids	Clear – 41% by volume, White – 47% by volume
	Recommended DFT	Typically, 75 - 100µm DFT/coat depending on application
	Usual No. of Coats	By spray – 1 - 2, brush or roller – 2
	Colour	Clear and pigmented
	Pigmentation	Titanium dioxide or other lead-free pigment
	Primer Required	Yes
	Product Weight	Approx. 1.12Kg/Litre dependant on colour
VOC Content	89 grams to 118 grams per litre dependent on colour	
<b>ENGINEERING DATA</b>	Abrasion Resistance	Excellent
	Chemical Resistance	Alkali – Excellent. Acid – Fair to very good. Contact A & I Coatings Technical Team for specific requirements
	Solvent Resistance	Excellent

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CURING DATA	Substrate Temp.(°C)	Touch Dry	Dry to Handle	Full Cure	Recoat Min
	10°C				
	25°C	3 – 5 Hrs	18 Hrs	7 Days	4 – 6 Hrs
Note: Abrade if recoating after 7 days					
APPLICATION DATA	Mixing	Stir Pack A using a power mixer, then blend Pack A with Pack B completely and power stir thoroughly.			
	Application	Airless spray (rec tip range = 15 – 21Thou), brush or roller.			
	Thinning	Thin sparingly with water if required.			
	Cleaning	Use water, mild detergent, or methylated spirits.			
Note: This product may be used with non-slip media to achieve various anti-slip ratings. Contact A & I Coatings to discuss your requirements.					
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. We would recommend that the concrete be primed with ENVIROSET 2100 prior to application of the E2200 to achieve maximum adhesion and durability. (Note: Acid etching is not recommended if excessive form oil is present in the concrete).			
	Aluminium, galvanised steel & Zincalume	Remove oil and grease with mild detergent or with solvent to AS 1627.1. Slightly roughen the surface by sanding or light whip blasting with a non-metallic abrasive. Apply suitable primer according to specification.			
	Repaints	All surfaces should be free from oil, grease, loose paint and other contaminants. Check for correct adhesion by first applying a test patch.			
WORK STOPPAGES	General	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 commences 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).			

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<b>PACKING &amp; STORAGE</b>	Packing	Available in 4.5 or 15L 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.
<b>HEALTH &amp; SAFETY</b>	<p>All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Envirothane 2200. Users should familiarise themselves with all the safety aspects of the product prior to usage.</p> <p>Please ensure the current Technical Data Sheet is consulted prior to specification or application of A &amp; I Coatings products. A &amp; 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 &amp; I Coatings Technical team on 1800 819 585.</p>	

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