

ENVIROSET ESD PRIMER 100

TECHNICAL DATA SHEET

Electrostatic Dissipative Solvent Free Epoxy Primer

 **A&I
COATINGS**

ENVIRO
choice



A & I Coatings **ENVIROSET ESD Primer 100** is a two-pack electrostatic dissipative pigmented, solvent free, 100% solids epoxy with excellent surface hardness and adhesion.

USES & BENEFITS		• Mandatory primer coat for the Enviroset RC ESD system			
		Benefits	Limitations		
		<ol style="list-style-type: none"> 1. Easy mix ratio 2. Excellent flow properties 3. Silica free 4. Manufactured from Bio source and renewables 	<ol style="list-style-type: none"> 1. Amine bloom may occur if humidity is above 80% 2. Minimum surface temperature should be at least 3°C above dew point at time of application and initial cure. 		
PHYSICAL PROPERTIES	Vehicle Type	Epoxy			
	Hardener	Amine			
	Ratio	2:1 (Part A : Part B) Volume			
	Pot Life	Approx 25 minutes @ 25°C using standard hardener			
	Finish	Stippled finish			
	Theoretical Coverage	5-7m ² / litre per coat			
	Volume Solids	100%			
	Usual No. of Coats	1			
ELECTRICAL RESISTANCE	Electrical Resistance	RG<10 ⁷ IEC 6134-5-1			
CURING DATA	Substrate Temp.(°C)	Foot Traffic	Vehicle Traffic	Full Cure	Recoat Min
	25°C	24 Hrs	72 Hrs	7 Days	12 Hrs
		Note: When overcoating with an epoxy-based topcoat, this should occur within 36hrs at 25°C. No water or condensation should contact the coating for 5 days from installation.			
SURFACE PREPARATION	Concrete	<p>Allow new concrete to cure for minimum 28 days prior to coating. 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). Substrates 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. Please note that moisture content in the concrete must be no greater than 4% pbw prior to application of the E4116 conductive. Ensure no rising moisture will occur in concrete by means of an effective subgrade damp proof membrane. Concrete to be min 25Mpa compressive strength and 1.5Mpa pull off strength.</p>			

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APPLICATION DATA	Mixing	Power stir Pack A, then blend with Pack B to correct ratio. Power stir thoroughly for two minutes prior to use. Only mix required amount and use within the stated pot life.
	Application	Roll coat: 10-13mm Nap Roller.
	Ambient Temperature	Apply between 8-35 °C
	Thinning	Thinning of 5% with Xylene, if required.
	Cleaning	Use Xylene or Acetone for clean-up
PACKING & STORAGE	Packing	Available in 12 Litre kits, consisting of 8L Part A and 4L Part B hardener.
	Storage	12 Months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter.

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