

# Single Pack Water Based Anti-Corrosive Red Oxide Primer

## ENVIROTHANE 8300

**PRODUCT DESCRIPTION - A & I Coatings ENVIROTHANE 8300** is a single pack water based anti-corrosive primer. Envirothane 8300 has excellent adhesion and film properties on a variety of substrates in both general industrial and marine uses. E8300 can be recoated with a wide range of topcoats to give an environmentally friendly and versatile paint.

### TYPICAL APPLICATIONS

- Aluminium
  - Galvanised steel
  - Structural steel
  - Plastics (adhesion to many plastics – test first).
- Suitable for use in:**
- Chemical plants
  - Food processing facilities
  - General industrial uses

### TECHNICAL INFORMATION

<b>Vehicle Type</b>	: Poly Butadiene.
<b>Pigmentation</b>	: Zinc phosphate.
<b>Finish</b>	: Matt.
<b>Colour</b>	: Red oxide, Light Grey
<b>Dry time</b>	: 30 minutes @ 25°C.
<b>(minimum)</b>	
<b>Recoat time</b>	: 1 hour, varies with topcoat.
<b>(minimum)</b>	
<b>Theoretical Coverage</b>	: 7.3m <sup>2</sup> per litre @ 50µmDFT 4.9m <sup>2</sup> per litre @ 75µmDFT
<b>Volume Solids</b>	: 36.6% by volume.
<b>Recommended DFT</b>	: 50 - 75µm/coat.
<b>Usual no. of coats</b>	: One to two.
<b>Abrasion Resistance</b>	: Very good.
<b>Chemical Resistance</b>	: Excellent when suitably top coated.
<b>Solvent Resistance</b>	: Excellent when suitably top coated.
<b>Thinning</b>	: Normally not required for airless spray application. For conventional spray application thin sparingly with no more than 5% water to improve workability.
<b>Durability</b>	: Excellent when suitably top coated.
<b>Product weight</b>	: 1.36Kg/Litre
<b>VOC Content</b>	: 26 grams/Litre

### MERITS

1. Can be top coated with a range of topcoats to give a durable coating system
2. General purpose inhibitive primer for wider uses.
3. Longer recoat duration. Consult manufacturers for specific uses.

### LIMITATIONS

1. Needs to be top coated for long term external applications.

## APPLICATION DATA

<b>Mixing</b>	: Stir thoroughly before using.
<b>Cleaning</b>	: Use water.
<b>Equipment</b>	<p>: <b>Airless spray</b> - Standard airless equipment with a 28:1 or higher pump ratio and a 13 to 17 thou fluid tip is recommended.</p> <p>: <b>Conventional spray</b> - Industrial equipment such as De Vilbiss MBC or JGA gun with 78 or 765 air cap and 'E' fluid tip. Separate air and fluid pressure regulators, mechanical pot agitator and a moisture and oil trap in the main air supply line are recommended. Apply a wet coat in even parallel passes with 50% overlapping of each pass to avoid bare areas. Pinholes or holidays can be touched up by brush, repair larger areas by spray.</p>

## SURFACE PREPARATION

In general the performance of coating is depends on the degree of surface preparation.

### Aluminium, Galvanised Steel, Zincalume

Remove oil and grease with suitable degreasing to AS 1627.1. Slightly roughen surface by light sanding or alternatively lightly blast with fine non-metallic abrasive. Surface must be clean, dry and free from all contaminants including salt deposits.

### Steel

Degrease the surface according to SSPC SP1 solvent cleaning. Round off rough welds and sharp edges and remove weld spatter and flux. Abrasive blast clean in accordance with AS 1627.9 to class 2½ minimum. Blast to achieve a 25-50 micron anchor profile. If profile is greater, additional film thickness is required for equivalent protection. Remove abrasive residue and dust from surface.

**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 and delays.

## PACKING & STORAGE

<b>Packing</b>	: Available in 1L, 4L or 15L pails. For availability of other sizes, contact <b>A &amp; I Coatings</b> .
<b>Storage</b>	: 12 months if stored in sealed containers away from heat and moisture. Subject to re-Inspection thereafter.

**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 Envirothane 8300. 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. 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**.

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