



REF : ESST 2011 05

Ecuseal

DESCRIPTION

Ecuseal is a high performance elastomeric roof and wall coating. Its co-polymer emulsion compound formulation produces a technically advanced and convenient system for waterproofing a variety of internal and external surfaces including all types of pitched roofs etc. In addition to its excellent waterproofing properties, Ecuseal is ideal for exterior application on walls, providing protection against concrete carbonation.

ADVANTAGES

- Excellent weather resistance
- High elasticity which is retained at low temperatures
- Non taint
- Superb adhesion
- Hard wearing
- Hygienic
- Waterproof

RECOMMENDED USES

- Pitched roofs
- Factory roofs
- House walls
- Public buildings
- Farm buildings
- Rendered walls
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PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
250 microns per coat	59 %	10 Litres.	Single pack	12 Months (Base & Hardener)	Keep out of direct Sunlight. Store in a dry place, not below 15°

DRYING TIMES & COVERAGE RATES at 20 °C

Coverage rate	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
10 Litres will cover 20 sq m @ 250 microns thickness	n/a	8 - Hours	24 - 48 Hours	48 - 72 Hours	Up to 7 Days



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Specification

Product : Ecuseal

Finish : Satin Finish

Thickness : 250 microns approximately

Colour : See RSL Coatings Colour Chart

Products required for this system

Prime : Steriprime (see below for other primers)

System : Ecuseal

Surface Seal : Not required

Preparation and Priming

Surfaces to be coated must be clean, dry and free of any contaminants that could impair good adhesion. Ensure good drying conditions prevail throughout the application and cure of the product.

Good adhesion is obtained on all sound surfaces with adequate roughness or porosity, e.g. slate, burnt clay and concrete tiles, bituminous roofing felt, asbestos cement, concrete and cement render. For other surfaces see below.

Cracked roofing or roofs with expansion joints or other structural joints prone to movement must be treated with a reinforcing scrim, using the procedure described below. The application of a scrim will increase the strength and wearing properties of the roofing membrane in all situations.

Surface Pre-Treatment :

Greasy or oily Contamination

Degrease and thoroughly dry; prime as required.

Concrete etc. with water repellent treatment, Blown asphalt or cold bitumen.

Prime with Resuseal Clear Primer and check to ensure that the primer wets out on the surface.

Asbestos-cement, or concrete etc. with powdery surface.

Prime with Steriprime or Resuprime W.B.

As above, but heavily powdered loose or flaking surface

Brush thoroughly with stiff wire brush. Prime with Steriprime or Resuprime W.B.

Any surface supporting or likely to support algae, lichen etc

Brush Thoroughly with stiff wire brush. Treat with active fungicide, allow to react, rinse, allow to dry. Prime as required.

Bare Iron or Steel

De-rust fully; apply Resuprime ZP or RX66 zinc phosphate anti-corrosive primer and allow to cure before applying membrane.

Aluminium Trim Etc.

Clean fully; treat with chromate primer and leave as recommended by manufacturer before applying membrane.

Galvanised Iron

Degrease if new. Apply a suitable etch or emulsion-based anti-corrosive primer.

Lead

Clean and degrease as necessary

Wood

Apply suitable wood primer and leave to dry as recommended by manufacturer before applying membrane with reinforcing scrim.

Plastics.

Whether expanded, foamed or in sheet form, may provide insufficient key and should be checked with a small scale trial to assess adhesion

Application

After any necessary surface preparation apply a uniform heavy brushed coat of **Ecuseal** liquid membrane to the surface. Immediately bed the scrim into the wet coat, following the contour of the surface, taking care not to push the membrane into gaps. Leave for the recommended drying period and finish with one sprayed coat or two brushed coats.

The interval between brushed coats must allow good drying but should not exceed three days.

Category Guide

FeRFA Category : n/a

Technical Information

The following figures are obtained from laboratory tests and our experience with this product .

Slip Resistance	Dry	n/a
Method BS7976 pt1-3 2002	Wet	n/a

The slip resistance of a floor surface can vary as a result of the installation process, conditions at the time of application and subsequent traffic. Inappropriate cleaning or maintenance can adversely affect the performance. For further advice on potential wet areas please consult RSL.

Abrasion Resistance	n/a
Method BS8204 /ASTM D4060	

Temperature Resistance	Tolerant of sustained temperatures of up to 60°C
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Chemical Resistance	Excellent Chemical Resistance Consult RSL on specific materials
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Elongation at break	Dry - 770% Wet -1190%
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Tensile Strength	95% to 100%
	Dry - 20/0 kg/cm ²
	Wet - 7.59 kg/cm ²

VOC	>10 g/l
	Calculation based on a full mixed unit

Life Expectancy	10 years plus
	Subjected to Industrial Traffic RSL terms and conditions will apply

Maintenance and Cleaning

RSL recommend that **Ecuseal** can be cleaned with a regular industrial cleaning regime utilising **R.S. Industrial Floor Cleaner** or similar with dirty water being removed. Isolated localised cleaning can be carried out using **R.S. Fats & Grease Remover & R.S. Oil Remover**. All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Please refer to RSL Data Sheet CLNG for Cleaning Advice

Health and Safety

Ecuseal is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water.

The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable. The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by Resin Surfaces Limited or its agents is based on the information supplied by the purchaser. Resin Surfaces Limited cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertakings can be given against infringement of patents. Some materials are derived from natural sources. As such some variation may occur. Site conditions may also contribute to variation in finish and colour.

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