



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
- Superb adhesion
- Hygienic
- Hard wearing
- Waterproof

RECOMMENDED USES

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

PRODUCT INFORMATION

System Thickness (Recommended)	200-250 microns WFT 96-120 microns DFT *The suggested thickness range is calculated based on average volume solid as a general recommendation for the specified condition and for each application it may vary.
Solids Content by Weight	61%
Solids Content by Volume	48%
Pack Sizes	10 litres
Pack Make Up	Single pack product
Shelf Life	12 months
Storage	Keep out of direct sunlight. Store in a dry place, between 15°C- 30°C.

APPLICATION INFORMATION at 20°C

Coverage Rate (Theoretical)	10 litres will cover 40m ² @ 250 microns wet film thickness. * Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.
Pot Life	N/A
Recoating Intervals	6-8 hours
Light Traffic	24-48 hours
Full Traffic	48-72 hours
Full Chemical Cure	7-10 days



BRITISH COATINGS FEDERATION



Specification

Product : Ecuseal

Finish : Satin

Recommended thickness range : 200-250 µm WFT per coat

Colour : Available in a range of colours, please consult Sherwin-Williams

Products required for this system

Primer : RS Cemprime, Resuseal WB Clear or others as specified below

System : Ecuseal

Finish Coat : 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 WB Clear** and check to ensure that the primer wets out on the surface.

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

Prime with **RS Cemprime** or **Resuprime W.B.**

As above, but heavily powdered loose or flaking surface

Brush thoroughly with stiff wire brush. Prime with **RS Cemprime** or **Resuprime W.B.**

Bare Iron or Steel

De-rust fully; apply **Resuprime ZP** anti-corrosive primer and allow to cure before applying membrane.

Galvanised Iron

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

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

Premix the **Ecuseal** to a uniform consistency, to redisperse any separation, using a slow speed drill and paddle mixer. Apply a uniform heavy brushed or rolled 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 or rolled coats.

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

Category Guide

FeRFA Category : 1 and 2

Technical Information

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

Slip Resistance	N/A	
Abrasion Resistance	N/A	
Method BS8204 /ASTM D4060		
Temperature Resistance	Tolerant of temperatures up to 60°C	
Chemical Resistance	Good chemical Resistance Consult Sherwin-Williams on specific materials	
Elongation at break	Dry - 770%	Wet -1190%
Tensile Strength	95% to 100%	
	Dry	- 20/0 kg/cm ²
	Wet	- 7.59 kg/cm ²
VOC	14 g/l calculated per full mixed unit	
Life Expectancy	Up to 10 years depending on applied thickness and subject to traffic according to FeRFA classification. Sherwin-Williams terms and conditions will apply.	

Maintenance and Cleaning

Sherwin-Williams recommend that **Ecuseal** should be cleaned with a regular industrial cleaning regime after specified full chemical cure time frame. Mild alkaline cleaning products suitable for hygienic wall surfaces are recommended. Isolated localised cleaning can be carried out using **R.S. Fats, Oils & Grease Remover** and **R.S. Oil Remover**. All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Do not splash, clean, wash or treat the resin flooring with water or any other chemicals until full cure achieved, as it may affect the surface quality and performance.

Please refer to the Sherwin-Williams Guide to Cleaning of Resin Floors/Walls.

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 Sherwin-Williams or its agents is based on the information supplied by the purchaser. Sherwin-Williams 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.