



## PROTECTIVE & MARINE COATINGS

# AquArmor AC

(Formerly known as Ecuseal)

## PRODUCT TECHNICAL DATA

### PRODUCT DESCRIPTION

Aquarmor AC 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 surfaces including all types of pitched roofs etc. In addition to its excellent waterproofing properties, Aquarmor AC is ideal for application on walls, providing protection against concrete carbonation.

### ADVANTAGES

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

### RECOMMENDED USE

- Pitched roofs
- External walls
- Factory roofs
- Public buildings
- Rendered walls
- Anti-carbonation coating for concrete structures

### PRODUCT DATA

<b>Volume Solids:</b>	~48% ±2%
<b>VOC:</b>	14 g/l calculated per full mixed unit
<b>Colours:</b>	White
<b>Finish:</b>	Satin
<b>Flash Point:</b>	N/A
<b>Cleanser/Thinner:</b>	N/A
<b>Pack Size:</b>	10 litres
<b>Pack Weights:</b>	13.2kg (10 litres)
<b>Mixing Ratio:</b>	N/A
<b>Mixed Density:</b>	Approximately 1.32 g/cm <sup>3</sup>
<b>Shelf Life:</b>	24 months in unopened containers
<b>Storage:</b>	Keep out of direct sunlight. Store in a dry place, between 15°C – 30°C
<b>Recommended Application Methods:</b>	Brush, roller or airless spray

#### Application at 20°C

Recoating Intervals: 6-8 hours or once surface has lost tackiness

Light Traffic: 24 - 48 hours

Full Traffic: 48 - 72 hours

Full Chemical Cure 7 - 10 days

**Pot Life:** N/A – Single pack material

**Coverage Rate:** 10 litres will cover 40 m<sup>2</sup> @ 250 µm WFT (Theoretical)

*\*Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.*

**System Thickness:** 200 – 250 µm WFT  
(Recommended) 96 – 120 µm DFT

*\*The suggested thickness range is calculated based on the average volume solids as a general recommendation. As a result it may vary slightly for each application.*



# AquArmor AC

## SURFACE PREPARATION

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.

### Condition:

Greasy or oily contamination  
Concrete etc with water repellent treatment, blown asphalt or cold bitumen  
Asbestos cement or concrete with powdery surface  
As above but heavily powdered, loose or flaking surface

Bare Iron or Steel

Galvanised Iron

Wood

### Required treatment:

Degrease and thoroughly dry; prime as required  
Prime with **Resuseal WB Clear** and check to ensure that the primer wets out on the surface.  
Prime with **Resuseal WB Clear**.  
Brush thoroughly with a stiff wire brush. Prime with **Resuseal WB Clear**.  
De-rust fully; apply **Resuprime ZP** anti-corrosive primer and allow to cure.  
Degrease if new; apply a suitable etch or emulsion based anti-corrosive primer.  
Apply suitable wood primer and leave to dry as recommended.

APPLICATION	APPLICATION CONDITIONS								
<b>Mixing:</b> Premix the <b>AquArmor AC</b> to a uniform consistency, to redisperse any separation, using a slow speed drill and paddle mixer. Apply a uniform heavy brushed coat or roller coat of the <b>AquArmor AC</b> . Where applying over joints these must be prepared as detailed above. Good drying conditions are required in order to achieve the drying times stated overleaf. Where the product requires recoating, this should not be done after more than three days following the application of the first coat.	The ambient temperatures of the areas should not be allowed to fall below 15°C throughout the application and the curing period, as this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 10°C. Where possible it is recommended that the application area is heated to a minimum temperature of 15°C ideally to allow the ambient and substrate temperature to stabilise prior to the installation.								
RECOMMENDED SYSTEMS	TECHNICAL INFORMATION								
See Sherwin-Williams System Sheets for recommended floor systems.	The following figures are obtained from laboratory tests and our experience with this product. <table> <tr> <td><b>Category Guide:</b></td><td>FerFA Category 1 &amp; 2</td></tr> <tr> <td><b>Temperature Resistance:</b></td><td>Tolerant of temperatures up to 60°C</td></tr> <tr> <td><b>Liquid Water Transmission:</b> (BS EN 1062-1:2004)</td><td>Class W3</td></tr> <tr> <td><b>Carbon Dioxide Diffusion:</b> (BS EN 1062-6:2002)</td><td>R-Value = 233</td></tr> </table>	<b>Category Guide:</b>	FerFA Category 1 & 2	<b>Temperature Resistance:</b>	Tolerant of temperatures up to 60°C	<b>Liquid Water Transmission:</b> (BS EN 1062-1:2004)	Class W3	<b>Carbon Dioxide Diffusion:</b> (BS EN 1062-6:2002)	R-Value = 233
<b>Category Guide:</b>	FerFA Category 1 & 2								
<b>Temperature Resistance:</b>	Tolerant of temperatures up to 60°C								
<b>Liquid Water Transmission:</b> (BS EN 1062-1:2004)	Class W3								
<b>Carbon Dioxide Diffusion:</b> (BS EN 1062-6:2002)	R-Value = 233								
WARRANTY	DISCLAIMER								
Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use. The information detailed in this datasheet is liable to modification from time to time in the light of experience and normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.	The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.								
HEALTH AND SAFETY									
Consult Product Health and Safety Datasheet for information on safe storage, handling and application of this product.									

Sherwin-Williams Protective & Marine Coatings, Tower Works, Kestor Street, Bolton, Lancashire BL2 2AL United Kingdom

T: 01204 521 771 E: [sales.uk@sherwin.com](mailto:sales.uk@sherwin.com) [www.resinflooring.sherwin.eu](http://www.resinflooring.sherwin.eu)

Registered in England 1659941 VAT GB 373 485624

This datasheet is specifically subject to the disclaimer which can be found at: <http://protectiveemea.sherwin-williams.com/Home/Disclaimer>