



# Aquasol HD

## High Performance Water Based Epoxy Resin Coating

### USES

**AQUASOL HD** can be used as a protective surface coating in a wide range of industrial environments. It is both suitable for use on both floors and wall surfaces and can be applied to concrete, cement, masonry and steel surfaces. It can also be used as a tank coating. The absence of solvents and the very low product odour make **Aquasol HD** safe to use in sensitive application areas such as food and beverage plants and pharmaceutical production or storage areas.

### DESCRIPTION

**AQUASOL HD** is a heavy duty high performance water based epoxy resin coating system. It is two component product, supplied in pre-weighted units of the correct proportions and is ready to mix and use on site. **Aquasol HD** cures to form a tough easily cleaned hard wearing finish.

### ADVANTAGES

<b>Durable</b>	heavy duty film with low maintenance costs
<b>Hygienic</b>	easy to clean surface
<b>Adhesion</b>	excellent surface adhesion to most substrates
<b>Water based</b>	all tools and equipment can be cleaned in water
<b>Solvent free</b>	no flame or spark risk during application
<b>Low odour</b>	non tainting and suitable for use in sensitive areas
<b>Attractive</b>	available in a wide range of colours
<b>Chemical resistant</b>	resistant to a range of chemicals

### PHYSICAL PROPERTIES

<b>Specific gravity</b>	1.317
<b>Volume solids mixed</b>	63.0%
<b>Resin content</b>	42%
<b>Pot life</b>	2-4 hours
<b>Cure time</b>	8-12 hours
<b>Time between coats</b>	12-16 hours
<b>Initial hardness</b>	24 hours
<b>Open to light traffic</b>	24 hours
<b>Full cure</b>	7 days
(Below 20°C these times will be increased)	



### CHEMICAL RESISTANCE

**AQUASOL HD** is resistant to a wide range of chemicals. Specific data is available on request.

### COLOURS

**AQUASOL HD** is available in a range of colours. For details refer to colour chart.

### TEMPERATURE

**AQUASOL HD** should not be applied at temperatures below 10° C and above 40° C

A combination of low temperature and high humidity can effect the application and curing of this product.

### INSTRUCTIONS FOR USE

#### SURFACE PREPARATION - CONCRETE

It is essential that the substrate surfaces are correctly prepared prior to application. New concrete or cementitious substrates should have been placed for at least 28 days, unless specially water reduced and give a protimeter reading of less than 75% RH before applying the Aquasol HD system.

All substrates should be sound and free from contamination with oil, grease and other matter. Any oil or grease contamination must be removed completely by grinding, scabbling or shotblasting the contaminated areas to provide a clean substrate. It may be possible to prepare lightly contaminated areas by treatment with XD80 Degreaser (please refer to Technical Services Department). Laitance should be removed by vacuum blasting, grinding or light scabbling. Old concrete floors should be prepared by one of the mechanical methods mentioned above. Ensure that all concrete substrates are free from rising damp.

## SURFACE PREPARATION - STEEL

When applying to steelwork the surface should be cleaned to a bright metal finish by either grinding or shotblasting to S.A. 2.5. A two-pack epoxy zinc primer should then be used prior to the application of the Aquasol HD.

## SURFACE PREPARATION - WOOD

Timber surfaces should be sanded to a clean base and be free from dust, oil or grease prior to the application of Aquasol HD.

## MIXING AND APPLICATION

**AQUASOL HD** is a two component system, supplied in pre-weighed units ready to mix on site. Mixing is made easier by using an electric drill with a mixer paddle. Pour the entire contents of the hardener container into the base container and mix to an even creamy consistency. When thoroughly mixed (after approximately 5 minutes) it should be allowed to stand for 5 minutes before use. Aquasol has a usable life of 2-3 hours after mixing, depending on temperature. Application is by brush or roller. Two or three coats are recommended depending on the porosity of the substrate.

### COVERAGE AND PACK SIZES

Pack Size kg	Pack Size ltr	Approx. Coverage Per Coat
3kg	2.5 ltr	12-24 m <sup>2</sup>
6kg	5 ltr	24-48 m <sup>2</sup>
10kg	8 ltr	40-80 m <sup>2</sup>

N.B. Coverage is dependent on surface texture and porosity

## PRECAUTIONS

**AQUASOL HD** is a non-flammable product and has very low odour. Aquasol HD should not be allowed to come into contact with skin and eyes or be swallowed. Epoxy resins and hardeners may act as skin sensitizers to some people. Gloves, goggles and a suitable barrier cream should therefore be used. Ensure adequate ventilation if working in enclosed areas. Skin contamination with any of the products should be removed immediately with soap and water. In the event that mixed Aquasol comes into contact with the skin, it must be removed before it hardens with a good quality resin removing cream, followed by washing with soap and water. Do not use solvent. If accidental eye contamination occurs irrigate with copious quantities of clean water and seek medical advice. If ingestion of any of the materials takes place, seek medical attention immediately. Do not induce vomiting.

## DISPOSAL

All tools and equipment should be cleaned with water immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

## STORAGE

Shelf life at least 12 months if stored in original containers between 10° C and 25° C.

## CONTRACTING SERVICE

Conren Limited offers a contracting service for the application of all Conren products. This facility is back by a comprehensive technical and after sales service. We are able to contend with most problems in the field.

## TECHNICAL SERVICE & QUALITY ASSURANCE

All information provided in this leaflet is based on results obtained from our own experience and test and is given in good faith. The user will be deemed to have satisfied himself independently of the suitability of Conren's products for his own particular purpose. We guarantee to replace, free of charge, any goods supplied by us which are proved to our satisfaction defective, but, as the application of these materials is necessarily beyond our control, we will not accept responsibility for any damage or loss arising wholly or in part from these materials. Except as herein provided, any express or implied condition, warranty, statement or representation, statutory or otherwise as to the quality of the goods is expressly excluded.

### SPECIFICATION

Coatings to floors or walls shall be Aquasol HD two-pack water based epoxy resin paint.

All products to be applied in accordance with Conren's written instructions.

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