



Aquasol

Water Based Epoxy Resin Coating

USES

AQUASOL is a versatile two-pack water based epoxy resin coating, which can be applied to most substrates. It has all-round use in the construction industry and can be applied to floors, walls and ceilings.

DESCRIPTION

AQUASOL is a two-pack emulsion like epoxy resin coating, which can be applied to most substrates. It cures to form a durable semi-gloss finish and is available in silk and matt versions.

ADVANTAGES

Low odour	non tainting, suitable for use in food processing areas
Water based	water based non flammable
Hygienic	easy to clean surface
Durable	low maintenance costs
Excellent adhesion	suitable for most substrates

Suitable for use with Potable water – BS 6920 – Certificate No. 1208506

PHYSICAL PROPERTIES

Specific Gravity	1.26
Pot Life	2-3 hours
Cure Time	8-12 hours
Time Between Coats	8-16 hours
Initial Hardness	24 hours
Open to Light Traffic	24 hours
Full Cure	7 days

(Below 20° C these times will be increased)

Spread of flame BS476 Part 7:1987 = Class 1

CE BS EN 13813: 2002 / Synthetic Resin Screed Material

BS EN 13892-4:2002	Abrasion Resistance	AR 0.5
BS EN 13892-8:2002	Bond Strength	B 2.0
BS 8204:Part 1 2003	Impact Resistance	Cat. A



CHEMICAL RESISTANCE

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

COLOURS

AQUASOL is available in a range of colours, for details refer to the colour chart. Aquasol for WRAS applications is only available in white.

TEMPERATURE

AQUASOL 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 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 a neutral 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. If Aquasol is being used in a potable water environment, to obtain WRAS approval, the first coat should be cured for 16 hours at 12°C and the second coat left to cure for 21 days at 12°C before the tank or vessel is filled. For use with water up to 23°C.

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.

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.

MIXING AND APPLICATION

AQUASOL 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	Approx. Coverage Per Coat – Concrete	Approx. Coverage Per Coat - Block
3kg	18-24 m ²	12-18 m ²
6kg	36-48 m ²	24-26 m ²
10kg	60-80 m ²	40-60 m ²

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

PRECAUTIONS

AQUASOL is a non-flammable product and has very low odour. Aquasol 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 backed 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 two-pack water based epoxy resin paint.

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

Conren Limited

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