



Aquasol

Water Based Epoxy Resin Coating

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.

USES

Aquasol has an all-round use in the construction industry and can be applied to floors, walls and ceilings.

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

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

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

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

CE BS EN 13813: 2002 / Synthetic Resin Screed Material

FeRFA - Types of Synthetic Resin Flooring

2 Coat System Type 2 - Floor coating

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 13° 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.

For preparation guidelines on other surfaces please contact our Technical Sales Team on 01978 661991.

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	Approx Coverage (Concrete)	Approx Coverage (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

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

PRECAUTIONS

For further information on our precautions please see the MSDS.

Technical Service and Quality Assurance

All information provided in this leaflet is based on results obtained from our own experience and testing which is given in good faith. The information is provided without guarantee as the user will be deemed to have satisfied themselves independently of the suitability of Conren's product for their own particular purpose. Conren Limited cannot be held responsible for any errors as a result of any incorrect information being provided.



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