



Aquasol HD

High Performance Water Based Epoxy Resin Coating

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.

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.

ADVANTAGES

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

PHYSICAL PROPERTIES

- **Specific Gravity** 1.317
- **Volume Solids Mixed** 63.0%
- **Resin Content** 42%
- **Pot Life** 2-4 hours
- **Cure Time** 8-12 hours
- **Time Between Coats** 12-16 hours
- **Initial Hardness** 24 hours
- **Open to Light Traffic** 24 hours
- **Full Cure** 7 days

(Below 20° C these times will be increased)

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



BS EN 13813: 2002 / Synthetic Resin Screed Material

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 the 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.

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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 a 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.

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

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 HD 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 ²
6kg	5 ltr	24-48 m ²
10kg	8 ltr	40-80 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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