

## Resene Aquapoxy for Flooring

waterborne epoxy

Resene Aquapoxy is a two pack waterborne epoxy polyaminoamide floor coating. The cured film is glossy and non-yellowing with high surface hardness. It has excellent adhesion and water resistance and is tolerant of application over damp surfaces. The chemical resistance is similar to conventional solventborne epoxies. Resene Aquapoxy may be modified with Resene SRG Grit for a non-skid surface, but this will reduce cleanability. An excellent compromise consists of one coat of Resene SRG Grit modified Resene Aquapoxy then one coat of unmodified Resene Aquapoxy.

### interior

#### Typical uses

- Bitumen floors to upgrade solvent resistance
- Dairy units and piggeries
- Food processing plants
- Garage floors
- Meat works
- Primed steel
- Surfaces that require regular high pressure cleaning
- Upgrade over sound existing paint for improved protection

*Please ensure the current Data Sheet and Safety Data Sheet are consulted prior to specification or application of product. If in doubt contact Resene.*

<b>Vehicle type</b>	Two component epoxy
<b>Hardener</b>	Polyaminoamide
<b>Pigmentation</b>	Titanium dioxide + silica sand (optional)
<b>Solvent</b>	Water
<b>Pot life</b>	90 minutes at 20°C
<b>Finish</b>	Gloss
<b>Colour</b>	White and a limited range of chemically resistant pastel colours
<b>Dry time (minimum)</b>	10 hours at 20°C, 24 hours at 10°C
<b>Recoat time (minimum)</b>	24 hours
	Maximum: 5 days
<b>Primer required</b>	Yes, over metal substrates
<b>Recommended DFT</b>	100 microns per coat.
	This is achieved by applying (a) by brush or roller, 3 coats at 11.25 sq. metres per litre per coat, or (b) by airless spray, 1 coat at 3.75 sq. metres per litre. Coverage of Resene SRG Grit modified product is 2.5 sq. metres per litre
<b>Usual no. of coats</b>	1 (wet on wet spray), 3 (brush/roller)
<b>Abrasion resistance</b>	Excellent
<b>Chemical resistance</b>	Alkalis – excellent; acids – fair
<b>Heat resistance</b>	Up to 200°C
<b>Solvent resistance</b>	Excellent
<b>Durability</b>	Excellent
<b>Thinning and clean up</b>	Water
<b>Pack size</b>	1 and 4 litre
<b>VOC</b>	50 grams per litre mixed

#### Physical properties

#### Performance

1. Has the easy brushing properties of a latex paint.
2. Tolerant of application over damp surfaces.
3. High surface hardness with excellent resistance to abrasion.
4. Excellent resistance to chemicals, solvents and water.
5. Tenaciously adheres to a wide range of surfaces including glass and vitreous enamels.
6. Resists steam cleaning and waterblasting.
7. An Environmental Choice approved product.

#### Limitations

1. Not suitable for direct application to unpainted steel.
2. Application not recommended at temperatures below 10°C or above a R.H. of 85%
3. Like all epoxies, Resene Aquapoxy will chalk on exposure to the weather.

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## Surface preparation

### Concrete

If oil or grease are present degrease according to SSPC SP1 solvent cleaning. Leave new concrete to cure for a minimum of 28 days before painting. Concrete floors must be profiled by captive blasting, abrasive blasting, diamond grinding, or acid etching (see [Data Sheet D83](#)). Profiling should produce a uniform surface texture resembling 180 grit sandpaper. If this is not achieved, repeat the profiling method until the required surface texture is achieved.

Concrete surfaces cured with curing compounds or contaminated with form oils must be completely cleaned by abrasive blasting (acid etching is not acceptable as this procedure will not normally remove these compounds). After blasting or etching fill holes, voids, etc by application of Resene Epox-O-Bond Epoxy Filler (see [Data Sheet D808](#)).

### Steel

Degrease according to SSPC SP1 solvent cleaning. Remove all weld spatter and grind sharp edges and weld seams. Blast clean to SSPC SP10 (Sa 2.5) minimum and prime with an Armourcote epoxy basecoat or a zinc rich primer, such as Resene Zincilate 11 (see [Data Sheet RA21](#)) or Resene ArmourZinc 120 (see [Data Sheet RA22](#)).

*Residues and dust from old paint systems containing lead or chromate may be dangerous to the health of the operator and the environment. Ensure approved procedures are put in place to safeguard against this.*

## Application

### Application – standard

Apply by roller, airless or conventional spray.

### Application - SRG Grit modified

Apply by roller.

### Mixing

Resene Aquapoxy is supplied as a base and a hardener. To one part by volume of base add one part by volume of hardener. Mix these thoroughly either by hand or by power tool until they are perfectly homogeneous. Up to 10% more water may be added to suit particular method of application. Mix only that amount that can be applied during the 90 minute pot life. Tinting can only be done by a Resene branch.

The Resene SRG Grit is added at the completion of the mix, 2 kg into the 4 litre mixture. This increases the volume to 4.75 litres enough to do 12 sq. metres.

## Safety precautions

Consult Safety Data Sheet for this product prior to use. Users should ensure that they are familiar with all aspects concerning safe application of this product. IF IN DOUBT, DO NOT USE THIS PRODUCT.

*Please ensure the current Data Sheet is consulted prior to specification or application of Resene products.  
If the surface you propose to coat is not referred to by this Data Sheet, please contact Resene for clarification.*