

FEATURES

Advantages:

- Has the easy brushing properties of latex paint
- Tolerant of application over damp surfaces
- High surface hardness with excellent resistance to abrasion
- Excellent resistance to chemical solvents and water, the chemical resistance is similar to conventional solvent based epoxies
- Tenaciously adheres to a wide range of surfaces including glass and vitreous enamel
- Resists steam cleaning and water-blasting
- Aquapoxy is available in pastel tones, tintable from white, stronger colours are available in 200 litre batch sizes

RECOMMENDED USES

Aquapoxy is a two pack water-based epoxy. The cured film is glossy and non-yellowing with high surface hardness and excellent flexibility.

Suitable Substrates:

- Concrete/Plaster, Asbestos, Hardboard, Particle Board,
- Primed Metal

Typical Uses:

- Floors
- Over sound existing paint to upgrade for improved protection
- Dairy Units, Meat Works and Piggeries
- Food Processing Plants
- Hospitals, Laboratories, Pharmaceutical Plants and other areas where regular hygienic cleaning using water-blasting, steam cleaning or chemical cleaning is required
- Anti-Graffiti

SPECIFICATION DATA

Coating Type:	Polyaminoamide Epoxy
Colour:	White and a limited range of chemically resistant colours
Packaging:	8 litre (Made to order)
Mix Ratio:	1:1 by volume
Gloss:	Gloss
Flash Point:	
Thinner:	Water
Pot Life:	90 minutes at 20 °C
Induction Time:	n/a
Shelf Life:	Two years from date of manufacture

Density:	1.25 kg per litre			
VOC:				
Temperature Resistance:				
Volume solids (mixed):	40 %			
Theoretical Coverage Rate:	4.0 sq. metres per litre at 100 microns dry			
Recommended Film Thickness Per Coat:	250 microns wet to obtain 100 microns dry			
Application:	Airless Spray, Brush or Roller			
Dry Times (100µm DFT / 50% RH):				
Recoat – minimum:	10°C	15°C	25°C	30°C
Self	24 hrs	24 hrs	12 hrs	10 hrs
Recoat – maximum:	10°C	15°C	25°C	30°C
Self	24 hrs	120 hrs	96 hrs	72 hrs

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Oil or grease should be removed in accordance with AS1627.1 solvent cleaning. Surface defects revealed by the preparation process, should be ground, filled, or treated in the appropriate manner. Clean to remove all grit dust and debris and ensure the surface is dry.

Steel Surfaces:

Abrasive blast to AS1627.4 Class 2 ½ to achieve a uniform blast profile between 38 to 63 microns and be of a jagged nature as opposed to a peen pattern. A lesser degree of cleaning will reduce the service life of the coating. Apply primer coat to the cleaned surface to prevent re-rusting or contamination.

Galvanised Steel and Electrodepositing Zinc Surfaces:

All traces of dichromate passivation must be removed. Sweep abrasive blast with non metallic media or thoroughly sand with synthetic scouring pad to provide a uniform roughened finish.

GRP and Wooden Surfaces:

Thoroughly sand with non-stearate paper with 80-120 grit paper.

Concrete surfaces:

Concrete must cure for at least 28 days and not be greater than 10 pH. Acid etch with dilute hydrochloric acid solution (1 part concentrated acid to 10 parts water) to produce a uniformly roughened surface profile, followed by washing off with copious amounts of clean fresh water until the cleaning water is neutral to litmus paper. DO NOT allow etch solution to dry on the surface. Check for excessive moisture using the ASTM D-4263 "Plastic Sheet Method" test. Grinding or sweep blasted to remove all laitence may also be carried out.

Previously Painted Surfaces:

Clean with Altex P40 Cleaner. Remove all unsound coatings. Prepare all corroded and damaged paint areas in accordance with the preparation required for the applicable primer. Feather back edges to a sound clean existing coating. Matt all existing coating to provide a fine matt finish. Clean to remove all grit dust and debris and ensure the surface is dry.

Apply a test patch to confirm compatibility with existing coating system. If lifting occurs remove to bare substrate.

DIRECTIONS FOR USE

Mixing:

Aquapoxy is a two component product supplied in an 8 litre kits, which contains the correct ratio of ingredients. Power mix the base portion first to obtain a smooth homogeneous condition. After mixing the base portion, slowly add the converter whilst continuing to agitate at slow speed. After addition of the converter is complete, continue to mix slowly until homogeneous.

Mix only the amount that can be applied during the 90 minute pot life.

Higher temperatures will reduce the working life of the coating; lower temperatures will increase it.

Tinting:

A Resene branch can only do tinting.

Thinning:

Thinning maybe required to assist application. Any solvent addition should be made after the component is thoroughly mixed. Excessive thinning can cause low film thickness and coating defects.

Clean-up:

Use fresh clean water

Application:

Application by either conventional air spray or airless spray equipment is the preferred method. Ideally fluid hose should be 3/8" I D and maximum length 16 metres, not including short 1/4" I D whips. Larger diameter hoses should be used for long fluid lines. Long fluid lines with narrow hoses will greatly reduce fluid pressure at the gun, causing poor spray patterns.

For touch-up and repair to small areas, Aquapoxy can be applied by brush and roller.

Suggested spray equipment is:

Air Spray:	Graco - Delta Air spray gun, 2.8mm (0.110") set up DeVilbiss: JGA Gun, E or D Fluid Nozzle, 704/64 Air Nozzle
Airless Spray:	Graco - 30:1 pump, Contractor Gun, 0.019-0.021" RAC IV tip

Note: Other equipment equivalent to the above may be used.

PRECAUTIONS

For industrial use only. See the Altex Coatings Limited General Safety Data Sheet, product label and Material Safety Data Sheet (MSDS) for health and safety information prior to use.

Aquapoxy is flammable. Keep away from heat, sparks and open flame. Use with adequate ventilation.

May cause eye and skin irritation.

Do not breathe vapour or spray.

Wear suitable protective clothing such as gloves and eye and face protection.

ALTEX COATINGS LIMITED

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