

Resene ArmourBond epoxy sealer

Resene ArmourBond is a low viscosity, penetrative epoxy sealer and porosity equaliser for porous substrates. Reinforces rusted steel surfaces to give a sound base for application of protective coating systems.

Typical uses

- Concrete surfaces
- Fibre cement
- Rusted steel surfaces
- Thermal metal spray

Physical properties

Vehicle type	Two component epoxy
Hardener	Polyamine/amide
Pot life	1-2 hours at 20°C
Mix ratio	1 part base: 1 part hardener (by volume)
Finish	Gloss
Colour	Clear – pale amber
Dry time (minimum)	Through dry: 12-16 hours at 20°C
Recoat time (minimum)	16 hours
	Maximum: Varies with environmental conditions and topcoat used
Primer required	No
Theoretical coverage	20 sq. metres per litre at 50 microns DFT (coverage will vary depending on porosity of substrate)
Volume solids	100% (no added solvent)
Recommended DFT	50 microns
Usual no. of coats	1-2 (dependent upon substrate porosity)
Abrasion resistance	Good
Chemical resistance	Excellent when topcoated (refer to topcoat resistance for details)
Heat resistance	Up to 120°C (dry continuous)
Solvent resistance	Excellent
Thinning and clean up	Thinning not recommended Clean up uncured material with Resene Thinner No.12
Pack size	4 and 20 litre composites

Performance and limitations

Performance

1. Penetrating epoxy sealer.
2. Porosity equaliser.
3. Low odour, contains no added solvent.
4. Seal coat for subsequent application of Resene high performance coating systems.
5. Must be topcoated for maximum corrosion protection and chemical resistance.

Limitations

1. This product will chalk when continuously exposed to sunlight. This chalking in no way impairs performance.
2. Good low temperature cure characteristics.
3. Not normally recommended for immersion.
4. Do not apply over thermoplastic coatings.

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Surface preparation

The more severe the environment the coating system will be required to withstand the greater the degree of surface preparation required.

Concrete

If oil or grease deposits 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 or abrasive blasting, diamond grinding, or acid etching (see [Data Sheet D83](#)). Prepared surface must have a uniform surface texture resembling 180 grit sandpaper. If this is not achieved, repeat the blasting or acid etching 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 or grinding (acid etching is not acceptable as this procedure will not normally remove these compounds). After abrasive blasting or etching, apply Resene ArmourBond, allow 16 hours to cure, then fill holes, voids, etc with Resene Epox-O-Bond (see [Data Sheet D808](#)).

Metal spray

Ensure all surfaces to be painted are dry and free from loose rust, salt, dirt, oil and grease.

Rusted steel

Ensure all surfaces to be painted are free from loose rust, salt, dirt, oil and grease. Minimum requirements are cleaning with Resene Roof Wash and Paint Cleaner (see [Data Sheet D88](#)), followed by high volume, low pressure freshwater washing. Heavily rusted areas should be power cleaned to SSPC SP3 or hand tool cleaned to SSPC SP2. Any remaining rust should be tightly adhering.

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

Mixing

Base and hardener are mixed in a 1:1 ratio (by volume). Stir contents of each container separately using an explosion-proof power mixer. Add total contents of hardener container to total contents of base. Mix thoroughly until uniformly blended.

Application

Brush, roller or spray. One application is usually sufficient but a second application may be necessary to completely seal a highly porous substrate (unsealed areas will usually appear low in gloss). Clean all equipment immediately at the end of application by thoroughly washing with Resene Thinner No.12 (especially applies to spray equipment).

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.*

In Australia
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the paint the professionals use

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