

Resene Armourcote 210 Modified Alkyd High Build Primer

Resene Armourcote 210 is a single-pack, high-build inhibitive primer for general industrial and non-immersion marine use.

Suitable for overcoating with a wide range of protective and decorative topcoat systems.

Typical uses

- Aluminium
- Galvanised steel
- Repaints
- Structural steel

Vehicle type	Modified alkyd
Pigmentation	Inhibitive
Solvent	Aromatic/ester
Finish	Low sheen
Colour	Red oxide, grey
Dry time	Touch dry: 20 minutes at 21°C Hard dry: 6 hours at 21°C
Recoat	Minimum: Varies with topcoat and application method; consult manufacturer for recommendations Maximum: Dependent upon exposure (see Limitations)
Theoretical coverage	12 sq. metres per litre (50 microns DFT) 8 sq. metres per litre (75 microns DFT)
Volume solids	60%
Recommended DFT	50-75 microns per coat
Usual no. of coats	1 (wet on wet)
Abrasion resistance	Good
Chemical resistance	Excellent when suitably topcoated
Heat resistance	Up to 90°C (dry, continuous)
Solvent resistance	Excellent when suitably topcoated
Durability	Good
Thinning and clean up	Resene Thinner No.6
Pack size	4 and 20 litre

Physical properties

Performance

Performance and limitations

1. Chromate free.
2. Single pack convenience.
3. High build capability.
4. May be topcoated with epoxies, polyurethanes, vinyls, alkyds and acrylics.
5. Fast drying with early topcoating potential.

Limitations

1. When applying over an existing coating a test patch should be carried out to check adhesion to, and compatibility with, the existing coating.
2. Spray application of topcoats is recommended for early topcoating.
3. Not designed for long-term exterior exposure without topcoating. Consult manufacturer for advice when recoating beyond 6 months exterior exposure.
4. Not recommended for total immersion service.
5. Adhesion of alkyd finishes may vary according to topcoat formulation. Establish adhesion properties of the system by application of a test area.

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Surface preparation

Coating performance is, in general, proportional to the degree of surface preparation. Prior to priming, surface must be clean, dry and free from all contaminants including salt deposits.

For the best results the following is recommended:

Aluminium, Zincalume

Remove oil and grease with Resene Roof Wash and Paint Cleaner (see [Data Sheet D88](#)) or Resene Emulsifiable Solvent Cleaner (see [Data Sheet D804](#)).

Galvanised steel

Slightly roughen surface by light sanding or alternatively lightly blast with fine non-metallic abrasive.

Steel

Degrease according to SSPC SP1 solvent cleaning. Round off rough welds and sharp edges and remove weld spatter and flux.

Blast clean in accordance with SSPC SP10 (Sa 2.5). Blast to achieve a 25-50 micron profile. If profile is greater, additional film thickness will be needed. Remove abrasive residue and dust from surface.

Zincilate primers

Surface must be cured, clean, dry and free from all contaminants including salt deposits. If surface is glazed, roughen by sweepblasting.

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

Stir material thoroughly with an air or explosion-proof mixer until uniformly blended.

Thinning

Not normally required. If necessary for workability, thin with no more than 5% Resene Thinner No.6.

Application

- **Airless spray** - Standard industrial equipment with a 30:1 or higher pump ratio and a 17 thou fluid tip. Thinning is not normally required for airless spray application.
- **Conventional spray** - Industrial equipment such as De Vilbiss MBC or JGA spray gun. Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply line are recommended. Apply a wet coat in even parallel passes overlapping each pass 50% to avoid holidays, pinholes and bare areas. Double coat all welds, rough spots, sharp edges, corners, rivets and bolts, etc. Random pinholes, holidays, bubbles and small damaged areas can be touched up by brush when film is touch dry.

Small areas can be touched up by brush but the high level of thinning required for brush application reduces desirable high build properties.

Safety precautions

Consult Material 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.

*Information contained in this Data Sheet is re-validated every two years following issue date.
Please ensure 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.*