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RA61

Resene Armourchlor HB-F

chlorinated rubber high build finish

Resene Armourchlor HB-F is a single pack high build chlorinated rubber finish coat providing outstanding resistance to corrosion in severe atmospheres, where it may be difficult or uneconomic to employ a two pack coating. These characteristics ensure maintenance free performance during many years' exposure in highly corrosive environments.

exterior/interior

Physical properties

Vehicle type	Chlorinated rubber and inert plasticisers
Pigmentation	Titanium dioxide and chemically resistant extenders
Solvent	Aromatic
Finish	Gloss
Colour	White, MIOX, selected BS2660, BS5252 and Resene Total Colour System
Dry time (minimum)	Touch dry: 2 hours at 18ºC
Recoat time (minimum)	12 hours
Primer required	Yes, dependent on substrate
Theoretical coverage	2.4 sq. metres per litre at 125 microns DFT 4 sq. metres per litre at 75 microns DFT
Volume solids	30%
Recommended DFT	125 microns (75 microns over primed surfaces)
Usual no. of coats	Wet on wet to achieve film thickness
Abrasion resistance	Excellent
Chemical resistance	Acids and alkalis - excellent
Heat resistance	50ºC (non-immersion)
Solvent resistance	Aliphatics – good; others - poor
Durability	Excellent
Thinning and clean up	Resene Thinner No.6 (spray application) Resene Thinner No.11 (brush/roller application)
Pack size	4 and 20 litre

Typical uses

- Breweries
- Bridges
- Chemical plants
- Galvanised iron
- General structural steelwork
- Marine structures
- Pulp and paper mills
- Roofs
- Ships
- Tank farms
- Towers

Performance and limitations

Performance

1. Inhibits mould growth.
2. May be applied over a wide range of temperatures -20º C to +50º C.
3. Excellent intercoat adhesion both initially and long-term.
4. Fast drying
5. Highly impermeable films that minimise diffusion of oxygen and water to the substrate.

Limitations

1. Solvent resistance – see above.
2. Not resistant to vegetable oils or animal fats.
3. Will soften at temperatures above 50ºC.
4. Will chalk upon exposure to U.V.
5. Not recommended for immersion (contact manufacturer for specific details).

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

Armourchlor HB-F chlor rubber high build finish

Surface preparation

Concrete

Leave new concrete to cure for a minimum of 28 days before painting. Surfaces must be free of laitance, form release agents, curing membranes, oil and grease. Concrete floors must be profiled by captive blasting, abrasive blasting, diamond grinding, or acid etching (see Data Sheet D83). After profiling, fill all small holes or voids by application of Resene Epox-O-Bond (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) or better.

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

Thoroughly stir until uniform using an explosion-proof power mixer.

Thinning

Resene Thinner No.6 (spray application); Resene Thinner No.11 (roller application). Thin first coat 20% with appropriate thinner to avoid air entrapment when applying direct to porous substrates, such as zinc silicate primers, concrete.

Application

- **Airless spray** - Standard airless equipment with a 30:1 pump ratio and a 17-21 thou tip is recommended. Thinning is not normally required for airless spray application.
- **Conventional spray** - Industrial equipment such as a De Vilbiss MBC or JGA spray gun. Separate regulators for air and fluid pressure, 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.
- **Roller** - Short nap solvent resistant roller sleeve.

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

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.

In Australia
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Resene
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