Resene Polymeric AV-8

high build vinyl

Resene Polymeric AV-8 is a single pack high-build vinyl topcoat providing outstanding resistance to corrosion in severe atmospheres. Contains an acrylic reinforcement to provide superior gloss and colour retention.

These characteristics ensure maintenance-free performance over many years exposure in highly corrosive environments

exterior/interior

Typical uses

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

Physical properties

Vehicle type	Vinyl chloride co-polymer with acrylic reinforcement
Pigmentation	Titanium dioxide and chemically resistant extenders
Solvent	Aromatic/ester/ketone
Colour	White, selected BS2660, BS5252 and Resene Total Colour System
Dry time (minimum)	Touch dry: 2 hours
Recoat time (minimum)	12 hours
Primer required	Yes, zinc rich, inhibitive epoxies, chlorinated rubber based primers, such as Resene Armourchlor HB-P (see Data Sheet RA60)
Theoretical coverage	2.6 sq. metres per litre at 125 microns DFT
Volume solids	32.5%
Recommended DFT	Up to 125 microns per coat
Usual no. of coats	1 – multi-coats may be used for special applications
Abrasion resistance	Excellent
Chemical resistance	Acids and alkalis - excellent
Heat resistance	50ºC
Solvent resistance	Aliphatics – good; others - poor
Durability	Excellent (see below)
Thinning and clean up	Thin with Resene Thinner No.7A Clean up with Resene Thinner No.12

Performance and limitations

Performance

1. Inhibits mould growth.
2. May be applied over a wide range of temperatures -20ºC to +50ºC.
3. Excellent intercoat adhesion both initially and long-term.
4. Dries quickly by solvent evaporation.
5. Forms highly impermeable films that minimise diffusion of oxygen, water etc. to the substrate.
6. Forms flexible films and is easily repaired.
7. Will chalk after exterior exposure. Degree of chalking will depend upon nature and length of exposure.

Limitations

1. Solvent resistance – see above. Not resistant to solvents, vegetable oils or animal fats.
2. Will soften at temperatures above 50ºC.

Please ensure the current Data Sheet and Safety Data Sheet are consulted prior to specification or application of Resene products. View Data Sheets online at www.resene.com/datasheets. If in doubt contact Resene.

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Surface preparation

Coated surface

Clean by high pressure (3000 psi or greater) waterblast, abrasive blast (SSPC SP7 (Sa 1)) or power tool cleaning (SSPC SP3). Feather back damaged coatings to a sound edge. Spot prime any bare areas with recommended substrate primer.

Surface must be clean, dry and free from oil, dirt or other contaminants. Apply a test patch to confirm compatibility and adhesion.

Concrete

Leave new concrete to cure for a minimum of 28 days before painting. Surfaces shall be free of laitance, form release agents, curing agents, oil, grease and other penetrating contaminants. Concrete floors must be profiled by captive blasting, abrasive blasting, diamond grinding, or acid etching (see Data Sheet D83). Profiling should produce a profile similar to 180 grit sandpaper. If this is not achieved, repeat the profiling process. After profiling fill all small holes or voids by application of Resene Epox-O-Bond (see Data Sheet D808).

Galvanising, Zincalume

Remove oil and grease film with Resene Roof Wash and Paint Cleaner (see Data Sheet D88). Consult manufacturer for primer recommendations as selection may vary according to environment.

Steel

Mill scale and rust must be removed. Use vapour degreasing or Resene Emulsifiable Solvent Cleaner (see Data Sheet D804) to remove all oil, grease and contamination. Solvent wipe is NOT satisfactory. Abrasive blast hot-rolled steel to SSPC SP10 (Sa 2.5) and rusted and pitted steel to SSPC SP10 (Sa 2.5). Blast to achieve a 25-50 micron anchor profile. Remove all weld spatter, and radius sharp edges and welds. Weld flux should be removed by wire brushing and washing with a neutral detergent solution followed by thorough rinsing with copious amounts of freshwater. Prime with a zinc rich or inhibitive epoxy primer.

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 prior to use using an explosion-proof mixer until homogeneous.

Thinning

Not normally required or recommended for airless application.

Application

Airless spray - Standard equipment Graco, De Vilbiss or others having a 28:1 or higher pump ratio and a 0.48mm (19 thou) fluid tip. Apply a wet coat in even, parallel passes overlapping each pass 50%. When applying directly over inorganic zinc at full thickness, employ a mist coat/full coat application procedure.

Brush application suitable only for small areas or touch-up.

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.

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the paint the professionals use

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