

Resene Zincilate 10

inorganic zinc silicate
two pack

Resene Zincilate 10 is a sacrificial two pack priming system for steel, having outstanding anti-corrosive properties. May be applied in conditions up to 95% relative humidity.

Eliminates rust undercutting. Excellent resistance to abrasion and impact damage.

Typical uses

- As a primer/finish coat
- As a permanent primer for organic topcoats such as chlorinated rubbers, epoxies, urethanes or vinyls.
- Pipelines or storage tanks for petro-chemical refining
- Pulp and paper plants
- Structural steel
- Widely used as tanklining for petroleum solvents

Vehicle type	Ethyl silicate
Pigmentation	Metallic zinc
Solvent	Aromatic/glycol ether
Pot life	8-10 hours at 18°C
Mix ratio	1 pbw base:2.14 pbw powder
Finish	Matt
Colour	Grey
Dry time (minimum)	1-2 hours at 18°C
Recoat time (minimum)	16 hours at 18°C
	May be overcoated with chlorinated rubbers, vinyls, epoxies, urethanes, Resene Galvo One (see Data Sheet D41), Resene Galvo-Prime (see Data Sheet D402)
Primer required	No
Theoretical coverage	8-9 sq. metres per litre
Recommended DFT	75 microns per coat
Usual no. of coats	1 (wet on wet)
Abrasion resistance	Excellent
Chemical resistance	Satisfactory within pH range 6.0-10.5
Heat resistance	Excellent up to 400°C
Solvent resistance	Excellent
Durability	Excellent
Thinning and clean up	Resene Thinner No.9
Pack size	4 litre composite

Physical properties

Performance

1. Gives the best known long-term corrosion protection to steel.
2. Unsurpassed solvent resistance.
3. Excellent resistance to abrasion and impact damage.
4. Provides excellent protection to steel without the necessity for overcoating.
5. May be applied under cold, damp conditions.

Limitations

1. Before topcoating check that the film is cured by testing resistance to rubbing with a rag wrung out in Resene Thinner No.12.
2. Ensure surface is clean, dry and free from soluble salts before overcoating.
3. Coating will not cure at R.H. lower than 40% - undercured coatings may be cured by keeping damp with water spray after the film has set.
4. Sensitive to acid or alkali solutions.
5. Not to be used as lining for storage tanks containing jet fuels.
6. Not suitable for total immersion in water.
7. Non-saponifiable barrier coat must be used when overcoating with solventborne systems.
8. Not suitable for brush/roller application.

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Surface preparation

Steel

Degrease according to SSPC SP1 solvent cleaning. Thoroughly waterblast to remove all salt deposits, etc before blast cleaning. Remove all weld spatter and radius sharp edges and welds. Blast clean to SSPC SP10 (Sa 2.5) minimum. Blast to achieve a 25-50 micron anchor profile. Rougher profiles are acceptable but require increased film thickness for equivalent protection.

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

Mix liquid portion to a smooth, fluid uniform consistency. If lumps persist the shelf life may have been exceeded. Remove plastic bag from container and slowly empty powder into the liquid with continuous agitation. Strain through a 250 micron sieve.

Application

Apply a wet coat using conventional spray De Vilbiss JGA 502 gun, 'E' Fluid Tip and needle, 704 or 64 air cap. Use a mechanically agitated pressure pot with bottom outlet. Keep pot on same level or higher than gun. Adjust spray equipment to apply an even wet coat with minimum overspray.

Fluid hose

13mm I.D. no longer than 15 metres.

Pressures

Atomising pressure 280-350 kPa.

Thinning

Thin only for workability with Resene Thinner No.9.

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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or email advice@resene.com.au

Resene
the paint the professionals use

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