

Resene Zincilate 11

inorganic zinc silicate single pack

Resene Zincilate 11 is a sacrificial priming system for steel with superb anti-corrosive properties. May be applied in conditions up to 95% humidity.

Eliminates rust undercutting. Excellent resistance to abrasion and impact damage. The performance is equivalent to the more common two pack systems with the following significant benefits:

1. Eliminates mixing procedures on-site and the errors this can cause.
2. Eliminates waste as unused material can be stored for subsequent use.
3. A mechanically agitated pot is no longer necessary.
4. A bottom outlet pot becomes optional.

Typical uses

- As a primer/finish coat
- As a tanklining for petroleum solvents, structural steel, pipelines or storage tanks for petro-chemical refining, pulp and paper plants, drilling rigs and power stations
- As a weld through primer applied at 12 microns - no burn back.
- As a permanent primer for organic topcoats such as epoxies, vinyls, chlorinated rubbers or urethanes

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.

Physical properties

Vehicle type	Alkyl silicate
Pigmentation	Metallic zinc
Solvent	Aromatic/ketone
Shelf life	Not less than one year correctly sealed
Finish	Matt
Colour	Grey/green
Dry time (minimum)	1-2 hours at 18°C (touch) 16 hours at 18°C
Recoat time (minimum)	May be overcoated with chlorinated rubbers, epoxies, urethanes, vinyls, Resene Galvo One (see Data Sheet D41), Resene Galvo-Prime (see Data Sheet D402)
Primer required	No
Theoretical coverage	8 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
Toxicity	Non toxic (dry film)
Thinning and clean up	Resene Thinner No.9

Performance

Performance and limitations

1. Gives long-term corrosion protection to steel equivalent to two pack inorganic zincs.
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. Non-saponifiable barrier coat must be used when overcoating with solventborne systems.

Zincilate 11 inorganic zinc silicate single pack

Surface preparation

Steel

Degrease according to SSPC SP1 solvent 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

Stir thoroughly to ensure all zinc is fully mixed in. 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.

Fluid hose

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

Pressures

Atomising pressure 280-350 kPa.

Pot pressure 140-175 kPa.

Thinning

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
PO Box 785, Ashmore City, Queensland 4214
Call 1800 738 383, visit www.resene.com.au
or email advice@resene.com.au

Resene
the paint the professionals use

In New Zealand
PO Box 38242, Wellington Mail Centre, Lower Hutt 5045
Call 0800 RESENE (737 363), visit www.resene.co.nz
or email advice@resene.co.nz