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

<table>
<thead>
<tr>
<th>Vehicle type</th>
<th>Pigmentation</th>
<th>Solvent</th>
<th>Shelf life</th>
<th>Finish</th>
<th>Colour</th>
<th>Dry time (minimum)</th>
<th>Recoat time (minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Primer required
- No

Theoretical coverage
- 8 sq. metres per litre
- 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
- Excellent up to 400°C

Heat resistance
- Excellent

Solvent resistance
- Excellent

Durability
- Non toxic (dry film)

Toxicity
- Resene Thinner No.9

Performance and limitations

Performance
1. Gives long-term corrosion protection to steel equivalent to two pack inorganic zincks.
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.