

### FEATURES

#### Advantages:

- Single pack - unused material can be stored for subsequent use.
- May be applied in conditions up to 95% humidity.
- Eliminates rust undercutting.
- Eliminates mixing procedures on-site and the errors this can cause.
- A mechanically agitated pot is no longer necessary.
- A bottom outlet pot becomes optional.
- Versatile - can be used as the primer under all E-Line®, Altra-Shield®, Altra-Build® systems and Chem-Bar™ 900.

#### Limitations of Use:

- Before top coating check that the film is cured by testing resistance to rubbing with a rag dampened with No 12 Thinner
- Coating will not cure at R.H. lower than 40% - under cured coatings may be cured by keeping damp with water spray after the film has set.
- Sensitive to acid or alkali solutions when uncoated.
- Film thicknesses in excess of those recommended may lead to cracking.
- Non-saponifiable barrier coat must be used when over coating with alkyd or oil-based systems.

#### Approvals:

- APAS 2908/ 3544

\* Supplied by Altex Coatings under exclusive licence with Resene Paints Ltd

### RECOMMENDED USES

Resene Zincilate 11 is a sacrificial priming system for steel with superb anti-corrosive properties.

The performance is equivalent to the more common two pack systems for protecting steel exposed to a variety of environments:

#### Typical uses:

- As a primer/ finish coat
- As a tank lining 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.

#### Performance

- Abrasion resistance – Excellent
- Chemical Resistance – pH range 6.0 – 10.5
- Gives long-term corrosion protection to steel equivalent to two pack inorganic zincs.
- Unsurpassed solvent resistance.
- Excellent resistance to abrasion and impact damage.
- Provides excellent protection to steel without the necessity for over coating.
- Can be applied under cold, damp conditions.

### SPECIFICATION DATA

<b>Coating Type:</b>	Alkyl Silicate
<b>Colour:</b>	Grey/ Green
<b>Packaging:</b>	4 litre
<b>Gloss:</b>	Flat
<b>Pot Life:</b>	n/a
<b>Thinner:</b>	No 9 Thinner
<b>Induction Time:</b>	n/a
<b>Shelf Life:</b>	1 year when correctly sealed
<b>Storage:</b>	Store under cool dry conditions (liquid only)

<b>Density:</b>	
<b>Volume solids (mixed):</b>	60 %
<b>Temperature Resistance:</b>	400 °C dry
<b>Theoretical Coverage Rate:</b>	8.0 sq. metres per litre at 75 microns dry
<b>Recommended Film Thickness Per Coat:</b>	125 microns wet to obtain 75 microns dry
<b>Application:</b>	Spray, Brush or Roller

#### Dry Times (75µm DFT / 50% RH):

<b>Touch dry:</b>	1.5 hours			
<b>Recoat – minimum:</b>	<b>5°C</b>	<b>10°C</b>	<b>25°C</b>	<b>30°C</b>
<b>Self</b>	36 hrs	24 hrs	12 hrs	12 hrs
<b>Epoxy</b>	36 hrs	24 hrs	12 hrs	12 hrs
<b>Urethane</b>	36 hrs	24 hrs	12 hrs	12 hrs
<b>Recoat – maximum:</b>	<b>5°C</b>	<b>10°C</b>	<b>25°C</b>	<b>30°C</b>
<b>Self</b>	96 hrs	96 hrs	96 hrs	96 hrs
<b>Epoxy</b>	96 hrs	96 hrs	96 hrs	96 hrs
<b>Urethane</b>	96 hrs	96 hrs	96 hrs	96 hrs

## SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Oil or grease should be removed in accordance with AS1627.1 solvent cleaning. Surface defects revealed by the preparation process, should be ground, filled, or treated in the appropriate manner. Clean to remove all grit dust and debris and ensure the surface is dry.

### Steel Surfaces:

Abrasive blast to AS1627.4 Class 2 ½ to achieve a uniform blast profile between 38 to 63 microns and be of a jagged nature as opposed to a peen pattern. A lesser degree of cleaning will reduce the service life of the coating. Apply primer coat to the cleaned surface to prevent re-rusting or contamination.

### Previously Painted Surfaces:

Clean with Altex P40 Cleaner. Remove all unsound coatings. Prepare all corroded and damaged paint areas in accordance with the preparation required for the applicable primer. Feather back edges to a sound clean existing coating. Matt all existing coating to provide a fine matt finish. Clean to remove all grit dust and debris and ensure the surface is dry. Apply a test patch to confirm compatibility with existing coating system. If lifting occurs remove to bare substrate.

## DIRECTIONS FOR USE

### Mixing and Thinning

Stir well before application.

Mix thoroughly to ensure all zinc is fully mixed within. Strain through a 250 micron sieve.

### Thinning:

Thinning maybe required to assist application. Any solvent addition should be made after the component is thoroughly mixed. Excessive thinning can cause low film thickness and coating defects.

### Clean-up:

Use No 9 thinner

### Application:

Apply a wet coat using conventional air spray.

Ideally fluid hoses should be not less than 13mm ID and not longer than 15 metres to obtain the optimum results.

Atomising pressure should be at 280-350 kPa with a pot pressure of 140-175 kPa.

Excessive air pressure can cause overspray problems.

Suggested spray equipment is:

Air Spray

De Vilbiss JGA 502 gun, 'E' Fluid Tip and needle, 704 or 64 air caps.

Note: Other equipment equivalent to the above may be used.

Care should be taken to ensure that the correct film thickness is applied. Inorganic zinc coatings hide at very low film builds. Rough or pitted steel requires higher dry film thicknesses for optimum protection.

## PRECAUTIONS

For industrial use only.

See the Altex Coatings Limited General Safety Data Sheet, product label and Material Safety Data Sheet (MSDS) for health and safety information prior to use.

**Zincilate 11** is flammable. Keep away from heat, sparks and open flame. Use with adequate ventilation.

May cause eye and skin irritation.

Do not breathe vapour or spray.

Wear suitable protective clothing such as gloves and eye and face protection.

## ALTEX COATINGS LIMITED

Head Office New Zealand		Head Office Australia		DISCLAIMER
91-111 Oropi Road Greerton, Tauranga PO Box 142 Tauranga Mail Centre		7 Production Avenue Ernest Junction Queensland 4214 Australia		This is not a specification and all of the information is given in good faith. Since conditions of use are beyond the control of the manufacturer, information contained herein is without warranty, implied or otherwise, and final determination of the suitability of any information or material for the use contemplated, the manner of use and whether there is any infringement of patents is the sole responsibility of the user. The manufacturer does not assume any liability in connection with the use of the product relative to coverage, performance or injury. For application in special conditions, consult the manufacturer for detailed recommendations.
Phone	+64 7 5411 221	Phone	+61 7 5594-9522	
Fax:	+64 7 5411 310	Fax:	+61 7 5594-9093	
www.altexcoatings.co.nz		www.altexcoatings.com.au		