



Zinkex 100

Chlorinated Rubber Zinc Rich Primer

Data Sheet

FEATURES

Advantages:

- Single Pack - Easy to use
- Compatible with chlorinated rubber and vinyl topcoats
- Cures well at low temperatures
- High metallic zinc content - over 90%
- Only 50 microns DFT required when used as a primer within a system
- Excellent galvanic corrosion protection

Approvals:

- Approved for use on Transpower New Zealand towers and equipment (Ref: Appendix III - Transpower Contract Documents, Issue 2, 20 February 1998) - Primer for System 1
- Conforms to composition and performance requirements of SSPC Paint Spec. 20 Type 2

RECOMMENDED USES

Zinkex 100 is an excellent primer for chlorinated rubber and vinyl finish coats. It may be used as a "cold galvanising" coating for the repair of hot-dip galvanised surfaces. Zinkex 100 may be left untopcoated in non-corrosive atmospheres. For this type of service 75 microns DFT is recommended.

Zinkex 100 is suitable for maintenance use in the following areas:

- Chemical Industry
- Food Industry
- Dairy Industry
- Steel Bridges
- Transmission Towers

Limitations of Use:

- Where an alkyd topcoat is required a non-saponifiable tie coat, such as Chem-Bar 3500 Primer, must be used.

SPECIFICATION DATA

Coating Type: Chlorinated Rubber Zinc Rich
Colour: Grey
Packaging: NZ: 1 and 4 litres
 Single component
Gloss: Flat
Mix Ratio: N/A
Pot Life: N/A
Flash Point: 29°C Setaflash
Thinner: Altex Thinner #10
Storage: Store under cool, dry conditions

Density: 2.75 kg per litre
VOC: 526g per litre
Temperature Resistance: 80°C dry (maximum)
Volume Solids: 51%
Theoretical Coverage Rate:
 10.2 sq metres per litre at 50 microns DFT
Recommended Film Thickness Per Coat:
 98-147 microns wet to obtain 50-75 microns dry
Application: Spray - May be brush applied over small areas
Dry Times (25°C / 50µm DFT / 50% RH):
 Touch Dry - 10-20 minutes
 To Recoat - Overnight
 To Handle - 6 - 8 hours

SURFACE PREPARATION

All surfaces must be sound and free of oil, grease, dirt, form release agents, curing compounds, loose and flaking paint, moisture and other foreign substances.

Steel Substrates:

Recommended minimum level of surface preparation is abrasive blast to AS 1627.4 Class 2 (SSPC SP6 /Sa2). For the best results abrasive blast to AS 1627.4 Class 2½ (SSPC SP10;/Sa2½).

SSPC SP3: Mechanical preparation/power tool cleaning. Mechanically abrade the surface with 60-80 grit discs to remove all aged, failed coatings and achieve a bright metal look with a pronounced texture/profile. Do not buff or polish the surface.

Zinkex 100 should be applied to the cleaned surface as soon as possible to prevent re-rusting or contamination.

Galvanised Surfaces:

For the repair of galvanised surfaces. Prepare exposed steel to a minimum standard of SSPC-SP 6, abrade adjacent sound galvanising to maximise adhesion.

DIRECTIONS FOR USE

Mixing:

Use mechanical agitation for proper mixing to ensure homogeneous condition. Stir until thoroughly mixed.

Thinning:

For brush application thinning is not normally required or desired; however, at lower temperatures, **small** amounts (10% or less) of Altex Thinner #10 may be added to the mixed material.

For spray application thinning addition between 10% and 25% Altex Thinner #10 may be expected depending upon equipment set-up and environmental conditions.

Note: Excessive thinning can cause low film thickness, sagging and other film defects.

Application:

The preferred method of application for Zinkex 100 is spray. However, small areas may be brushed.

Suggested spray equipment:

Conventional Air Spray

1.4mm to 2.2mm Fluid tip with appropriate air cap.

Airless Spray

Pump Ratio	30:1
Material Hose	3/8" I.D min
Tip Size	0.015 – 0.019

(Note: The above is a guide. Other equipment to the above may be used.)

Clean-up:

Use Altex Thinner #10.

PRECAUTIONS

For industrial use only: Read and follow all the caution statements on this Product Data Sheet, the product label and the Material Safety Data Sheet (MSDS) for health and safety information prior to use.

Zinkex 100 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
91 - 111 Oropi Road
Greerton, Tauranga
PO Box 142
Tauranga Mail Centre

Phone: +64 7 5411 221
Fax: +64 7 5411 310

www.altexcoatings.com

Head Office
Australia
7 Production Avenue
Molendinar
Queensland 4214
Australia

Phone: +61 7 5512 6600
Fax: +61 7 5512 6697

www.altexcoatings.com

DISCLAIMER

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.

It is the users' responsibility to ensure they have the latest product data sheet and Material Safety Data sheet. Check the data sheet date with the listings at www.altexcoatings.com.