

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Chlorinated rubber
<b>Description</b>	<p>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. May be left untopcoated in non-corrosive atmospheres. For this type of service 75 microns DFT is recommended.</p> <p>Zinkex 100 is suitable for maintenance use in the following areas:</p> <ul style="list-style-type: none"> <li>• Chemical Industry</li> <li>• Food Industry</li> <li>• Dairy Industry</li> <li>• Steel Bridges</li> <li>• Transmission Towers</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• Single Pack - Easy to use</li> <li>• Compatible with chlorinated rubber and vinyl topcoats</li> <li>• Cures well at low temperatures</li> <li>• High metallic zinc content - over 90%</li> <li>• Only 50 microns DFT required when used as a primer within a system</li> <li>• Excellent galvanic corrosion protection</li> </ul>
<b>Colour</b>	Grey
<b>Finish</b>	Flat
<b>Dry Film Thickness</b>	<p>50 - 75 microns 98 microns wet to obtain 50 microns dry 147 microns wet to obtain 75 microns dry</p> <p>Do NOT overbuild, Suitable thinning assists in controlling film build. Excess coating thickness will result in solvent entrapment and/or incomplete cure.</p>
<b>Solids Content</b>	By volume 51% ± 1%
<b>Theoretical Coverage Rate</b>	10.2 m <sup>2</sup> /L at 50 microns Allow for loss in mixing and application.
<b>VOC Values</b>	<b>As Supplied</b> : 526 g/L
<b>Dry Temp. Resistance</b>	80°C Dry
<b>Limitations</b>	Where an alkyd topcoat is required a non-saponifiable tie coat such as Chem-Bar 3500 Primer must be used.
<b>Approvals</b>	<ul style="list-style-type: none"> <li>• 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</li> <li>• Conforms to composition and performance requirements of SSPC Paint Spec. 20 Type 2</li> </ul>

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	All surfaces must be sound and free of oil, grease, dirt, loose and flaking paint, moisture, and other foreign substances prior to application of Zinkex 100.
<b>Steel</b>	<p>For the best results, abrasive blast to SSPC-SP 10/NACE No.2 (AS 1627.4 Sa 2½) The steel profile after blasting should be 35 to 75 microns in depth and be of a jagged nature as opposed to a peen pattern.</p> <p>Recommended minimum level of surface preparation is abrasive blast to SSPC-SP 6 (AS1627.4 Sa 2).</p> <p>For small areas power tool cleaning to SSPC-SP 3 (AS 1627.2 St 3) may be utilised.</p>

**SUBSTRATES & SURFACE PREPARATION**

**Repairing Damaged Galvanised Steel** | Power tool clean to SSPC-SP 3 (AS 1627.2 St 3) - Mechanically abrade the surface with 60-80 grit discs to remove all aged, failed galvanising and render the exposed mild steel to a bright metal look with a pronounced texture/profile. Feather back the edges to clean, sound galvanising. Zinkex 100 should be applied to the cleaned surface as soon as possible to prevent re-rusting or contamination.

**MIXING & THINNING**

**Mixing** | Stir thoroughly to ensure a homogeneous condition. Mechanical agitation is preferred to ensure the thick material incorporates any settled zinc pigment

**Thinning** | Thinning may be required using Altex Thinning Solvent #10 between 10% and 25% thinning.  
Note: Excessive thinning can cause low film thickness, sagging and other film defects.  
Use of thinners other than those supplied or recommended by Altex Coatings may adversely affect product performance and void product warranty, whether expressed or implied.

**Ratio** | N/A – single component coating  
**Pot Life** | N/A

**APPLICATION EQUIPMENT GUIDELINES**

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

**Spray Application (General)** | The preferred method of application for Zinkex 100 is spray.

**Conventional 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.)

**Brush & Roller (General)** | Brush and roller application are acceptable as long as conditions are not extreme. however, care must be taken to ensure the correct film build is applied.

**APPLICATION CONDITIONS**

Condition	Material	Surface	Ambient	Humidity
Minimum	7°C	5°C	5°C	0%
Maximum	35°C	37°C	35°C	85%
Optimum	16-24°C	16-24°C	16-24°C	30-70%

**CURING SCHEDULE**

Surface Temp.	Dry to Handle	Dry to Recoat	Dry to Touch
5°C	24 Hours	16-24 Hours	4 Hours
15°C	Overnight	Overnight	90 Minutes
24°C	6-8 Hours	Overnight	15-20 Minutes

Curing schedule based on 75 microns DFT

**CLEANUP & SAFETY**

**Cleanup** | Use Altex Thinning Solvent #10

## CLEANUP & SAFETY

<b>Safety</b>	For industrial use only: Read and follow all the caution statements on this Product Data Sheet, the product label, and the Safety Data Sheet (SDS) for health and safety information prior to use.
<b>Ventilation</b>	It is very important for the safety of the applicator and the proper performance of Zinkex 100 that good ventilation be provided to all portions of the enclosed area. It is equally important to bring into the enclosed area dry fresh air to remove all solvent vapours. Since solvent vapours are heavier than air, ventilation ducts should reach to the lowest portions of the enclosed areas as well as into any structural pockets. Ventilation should be provided throughout the cure period to ensure all the solvents are removed from the coating.

## PACKAGING, HANDLING & STORAGE

<b>Shelf Life</b>	24 months at 24°C Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers. For products/components exceeding the stated shelf life, contact Technical Services for further advice.
<b>Shipping Weight (Approximate)</b>	4L - 11 kg
<b>Storage Temperature &amp; Humidity</b>	Optimum: 15-20°C
<b>Flash Point (Setaflash)</b>	29°C
<b>Storage</b>	Store under cool, dry conditions. Avoid large fluctuations between high and low temperatures. Avoid the formation of condensate due to low temperatures.

## WARRANTY

### DISCLAIMER

The information in this datasheet is provided as a guide only and is provided without warranty, implied or otherwise. It is your responsibility to determine the suitability of any information or product for the use contemplated. Conditions of use, application and the substrate are beyond our control so no liability whatsoever (whether as to coverage, performance, injury or otherwise) is accepted for the information contained herein.

Data sheets may change from time to time and it is your responsibility to ensure you have the latest product datasheet and material safety data sheet from your supplier. Check the data sheet date with the listings at [www.altexcoatings.com](http://www.altexcoatings.com) Altex Terms and Conditions of Trade, available at [www.altexcoatings.com](http://www.altexcoatings.com), apply in respect of all coating products and materials supplied, including samples.