



# Metal-Prime 211ZC

Alkyd Zinc Chromate Primer

Protective Coating

<b>Generic Type</b>	Single component anti-corrosive primer pigmented with zinc chromate.				
<b>General Properties</b>	Metal-Prime 211ZC is an anti-corrosive alkyd primer characterised by good anti-corrosion properties, easy application and the ability to protect hand prepared steel.				
<b>Uses and Properties</b>	Metal-Prime 211ZC is widely used as a new construction and maintenance primer on hand prepared steel. This product contains zinc chromate and is governed to be appropriate by certain local environment regulations.				
<b>Technical Information</b>	Finish ..... Matt Color ..... Grey Green Component ..... One Volume Solids ..... 45 ± 3% Dry Film Thickness ..... 50 to 75 um Flash Point ..... 27 deg. C Specific Gravity ..... Approx. 1.24 Temperature Resistance ..... 80 deg. C ( continuous ) ..... 90 deg. C ( intermittent ) Packaging ..... 5.0 litres Shelf life ..... 12 months minimum				
<b>Typical Painting System</b>	<b>Substrate Surface</b>		<b>Primer</b>		
	Steel		Metal-Prime 211ZC		
	Normally coat over blast, powertool clean and hand prepare steel.				
<b>Application Method</b>	Airless Spray Tip Size : 0.43 - 0.54 mm ( 17 - 21 thou ) Recommended method of application Pressure : 110 - 150 kg / cm <sup>2</sup> ( 1600 - 2300 psi )				
	Conventional Spray : Can be used Brush or Roller : Can be used				
<b>Drying &amp; Curing Time</b>	<b>Substrate Temperature</b>	<b>Touch Dry</b>	<b>Hard Dry</b>	<b>Overcoating Interval</b>	
				<b>Minimum</b>	<b>Maximum</b>
	15 deg. C	2 hours	24 hours	24 hours	Indefinite
	25 deg. C	1 hours	6 hours	8 hours	Indefinite
35 deg. C	30 mins	4 hours	6 hours	Indefinite	Indefinite
*The properties above may vary with surface temperature, site environment, film thickness, etc.					
<b>Thinners &amp; Cleaners</b>	Thinner : Thinner 51 ( 5% maximum addition ) Cleaner : Cleaner 12 Storage : Always store thinner and cleaner in a cool and shaded area. Exposure to direct heat is not recommended.				

The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can guarantee the quality of product itself.



<b>Surface Preparation</b>	<p>All surface to be coated must be clean, dry and free from contamination in accordance to ISO 8504. Oil and grease must be removed by solvent cleaning in accordance to SSPC - SP1.</p> <p>Abrasive blast clean to Sa 2.5 ( ISO 8501-1:2007 ) or SSPC - SP10 or powertool clean to St.3. If oxidation has occurred between the blasting time and application of Metal-Prime 211ZC, the surface should be reblasted to the specified visual standard.</p> <p>A surface profile of 30 to 40 microns is recommended.</p>
<b>Application Temperatures</b>	<p>Air and surface temperature should be between 20 to 45 deg. C and surface temperature must be minimum 3 deg. C above dew point.</p>
<b>Mixing</b>	<p>Stir content thoroughly with a mechanical stirrer until uniformly mixed.</p>
<b>Repair / Top Coating</b>	<p>Damaged areas should be touch up with a coat of Metal-Prime 211ZC.</p>
<b>Product Limitations</b>	<p>This product is not recommended for continuous immersion and not suitable for exposure to acidic and alkaline environments.</p> <p>Over-application of Metal-Prime 211ZC will extend both minimum overcoating periods and handling times and may be detrimental to long term overcoating properties.</p>
<b>Safety Precaution</b>	<p>This product is flammable and must be kept away from any source of ignition. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. Keep out of reach of children.</p>

Disclaimer: The above information is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given information without prior notice.