

PLASCOZINC 1 INORGANIC ZINC PRIMER

PRODUCT CODE: PZI 233 (Base) & LYE 2 (Powder)

TECHNICAL DATA SHEET

Product Description	A two component inorganic zinc rich ethyl silicate primer.													
Intended Uses	<ul style="list-style-type: none"> An inorganic zinc rich primer for use in new construction. As a high quality, anti-corrosive primer for aggressive environments including those found in port and harbour installations and industrial areas. 													
Features & Benefits	<ul style="list-style-type: none"> Excellent corrosion resistance. Ideal for use in C5 environments. Over 85% zinc in the dry film Can withstand continuous temperature of 400 °C 													
Product Information	Colour Volume solids Recommended DFT Recommended WFT Theoretical Spreading Rate VOC Flash point	Metallic Pink 58% 50 – 75 µm 86 – 129 µm 7, 73 m ² /L at stated volume solids and 75 µm DFT. 504 g/L 15 °C												
Application Details	Mixing Ratio Mixing Method: Thinner Cleaner Pot Life Application Environment Drying Time	1-part PZI 233 (Base) 7.86 L (liquid component) to 15.2 kg LYE 2 (Zinc Powder) Add the zinc powder to the liquid whilst stirring with a mechanical agitator. Do not add liquid to powder. Sieve before application. <u>Airless spray:</u> Use the product un-thinned. Tip size 0.019" – 0.023" The paint reservoir must be equipped with a mechanical agitator and foot filter. <u>Conventional spray:</u> Tip Size: 2 mm. Max 15 m hose with I.D. 10 mm Min. <u>Agitated pressure pot:</u> It is recommended that the pot be kept at the same height or higher than the gun for easier application. It is essential that the equipment is fitted with an oil and moisture trap in air supply line and a variable speed agitator. <u>Brush & Roller:</u> Not recommended No thinning required for airless spray. For conventional spray and agitated pressure pot, thin with minimum amount of ETHYL SILICATE THINNER (PZT 1) 8 h at 23 °C <table border="1"> <thead> <tr> <th>Surface Temperature</th><th>Ambient Temperature</th><th>Relative Humidity</th></tr> </thead> <tbody> <tr> <td>Min.: 10 °C</td><td>Min.: 10 °C</td><td>Min 30 %</td></tr> <tr> <td>Max.: 40 °C</td><td>Max.: 40 °C</td><td>Max.: 85 %</td></tr> <tr> <td colspan="3">Or 3 °C above dew point</td></tr> </tbody> </table> Touch Dry: 20 min @ 23°C Hard Dry: 24 h. The product can only be over coated when full cure is achieved Cured: Determined by MEK Rub test (ASTM D4752) – Type 4	Surface Temperature	Ambient Temperature	Relative Humidity	Min.: 10 °C	Min.: 10 °C	Min 30 %	Max.: 40 °C	Max.: 40 °C	Max.: 85 %	Or 3 °C above dew point		
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Storage & Packaging	Store away from direct sun, heat, open flames, sparks or severe cold. Shelf life: 6 months Dual Pack: Base PZI 233 10 L unit: 7.86 L in a 10 L container Powder LYE 2 : 2,14 L in a 5 L container													

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Surface Preparation	<p>Substrate preparation is a deciding factor in product performance. The surface to be coated should be clean, dry and free from contamination. All surfaces before painting should be assessed and treated in accordance to ISO 8504 - 1:2000 and 8504 -2:2000</p> <p>MILD STEEL:</p> <ul style="list-style-type: none"> • The surfaces to be over coated must be clean, dry and free from contamination. • Oil and grease should be removed using PLASCON AQUASOLV DEGREASER (GR 1) followed by clean water rinses. • Soluble chloride content may not exceed 75mg per m². • Dust and debris not to exceed 0, 3% when tested in accordance with SANS test method 769. • Surface preparation is abrasive blast clean to SA 2½ of the International standard ISO 8501-1:2007 to achieve an angular blast profile 50 - 75 microns (µm). • The primer must be applied before oxidation of the steel occurs. If oxidation does occur the entire oxidised area should be re-blasted to the standard specified above.
Caution	<ul style="list-style-type: none"> • Do not overcoat with itself or any other inorganic zinc silicates. • Do not apply to hand prepared steel.
Safety Precautions	<ul style="list-style-type: none"> • Always keep paint out of reach of children. • Ensure good ventilation during application and drying. • If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner. • Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention. • Harmful if swallowed. Seek medical attention and do not induce vomiting. • Do not smoke while painting. • Flammable. Store in a cool dry place away from heat and sparks. • Refer to Safety Data Sheet for complete information.
Shipping Weight	<p>UN Shipping No: 1263</p> <p>Dual Pack: 10 L - 7,93 kg (PZI 233)</p> <p>5 L - 15,64 kg (LYE 2)</p>

DISCLAIMER:

The recommendations contained herein are given in all good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

NB: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

NB: TO ORDER: Quote product name, product code number, packaging and colour.

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