



TECHNICAL DATA SHEET

[Metal Prime 213ZP]

Zinc Phosphate Alkyd Primer

PRODUCT DESCRIPTION

An anti-corrosive alkyd primer pigmented with zinc phosphate. It is fast drying, high build, modified alkyd rust inhibiting metal primer. Suitable for DIY use.

- ▶ Good corrosion protection.
- ▶ High film build.
- ▶ Excellent opacity.
- ▶ Excellent adhesion properties.

DESIGN USE

○ For interior and exterior use on ferrous and non-ferrous metalwork including steelwork, new, weathered and pre-treated zinc and galvanised iron. Not recommended for immersion condition.

PHYSICAL DATA

VOLUME SOLIDS	50 ± 2%
DRY FILM THICKNESS (DFT)	43 µm / Coat
NUMBER OF COATS	1
THEORITICAL COVERAGE	11 m ² /L/coat
FINISH	Matt
COLOUR RANGE	Grey Green
NO. OF COMPONENTS	1
STANDARD PACKING SIZE	1L, 5L, 20L

RECOMMENDED PAINTING SYSTEM

Substrate: Metal		
<u>System</u>	<u>Product</u>	<u>No. of Coats</u>
Primer	Metal Prime 213ZP	1
Finish	Hi-Gloss Enamel / Koramel / Metal-Lux 101 / Satin Gloss Enamel	2

Substrate: Previously Painted Metal		
<u>System</u>	<u>Product</u>	<u>No. of Coats</u>
Primer	Metal Prime 213ZP	1
Finish	Hi-Gloss Enamel / Koramel / Metal-Lux 101 / Satin Gloss Enamel	2

APPLICATION METHOD

Brush, Roller or Spray application
* Stir the contents thoroughly before use. Thinning is normally not necessary. However, if required for better workability, do not exceed 5% dilution ratio. Clean up equipment with **Thinner 51** immediately after use.

DRYING TIME

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval	
			Minimum	Maximum
15°C	2H	6H	6H	-
25°C	1.5H	4H	4H	-
35°C	50 minutes	2.5H	2.5H	-

ADDITIONAL INFORMATION

Thinner	Thinner 51
Thinning Ratio	5% Maximum.
Cleaning Solvent	Thinner 51
Flash Point	35°C
Storage Requirements	Cool, dry and well ventilated area away from heat and direct sunlight(5~35°C). Lid must be kept tightly closed

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**SURFACE
PREPARATION**

New Metal surfaces

- ◆ All new surfaces should be dry out throughly.
- ☑ A light sanding on the surface with suitable abrasive material is recommended to ensure better subsequent intercoat adhesion.
- ☑ All surface contaminants such as laitance, dust, oil and grease residue shall be removed by using scraper, sandpapers and clean slit brushes.

Previously Painted Surfaces

- ☑ If fungus, algae, and moss is present, treat with "KCC Fungidal Solution"
- ☑ Make good minor defects with an appropriate suitable exterior putty sealant.
- ☑ For overcoating over old coatings, a high pressure water jet cleaning should be performed to remove all loose or defective paintwork or powdery residues.
- ☑ For maintenance painting, power brush spot rust areas and dilute paint to ensure good wetting. Apply by brush on spot rusted areas.

Application conditions

- ☑ Ensure the surface is completely clean and dry.
- ☑ Ensure the relative humidity below 90% before painting.
- ☑ Ensure the surface temperature at least 3°C above dew point temperature.

Remark

- ☞ Always conduct an application point test on small area. Check for any abnormalities and paint defects prior to painting.
- ☞ This product should only be applied over metal substrate.
- ☞ Avoid excessive thinning as it will results in colour difference, poor hiding power, poor finishing, and overall paint performance compromised.
- ☞ Always follow TDS recommended coating thickness and ensure uniform application thickness. Inconsistent film thickness will results in difference sheen level and unpleasant finishing.
- ☞ It is recommended to paint the same colour with same batch number, using same painting equipment and method and also follow instructed thinning ratio to ensure consistent painted finishing.
- ☞ Do not skip primer and sealer application as concrete primer and sealers will minimize efflorescence defects on humid area.
- ☞ Recommended to paint according to TDS and Application guide.
(Please consult with KCC customer service for any inquiries or browse to our website www.kccpaint.com.my)

**SAFETY
PRECAUTIONS**

- ☑ Ensure adequate ventilation during application and drying.
- ☑ Avoid contact with eyes and skin.
- ☑ In case in contact with skin, wash immediately with plenty of soap and water.
- ☑ During spray application, do not breath in mist and wear suitable respiratory protective equipment.
- ☑ Keep out of reach of children.

FIRST AID

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| Eyes | Rinse immediately with plenty of water and seek medical advice. |
| Skin | Wash immediately with plenty of soap and water. |
| Inhalation | Remove to fresh air, loosen collar and keep patient rested. |
| Ingestion | DO NOT INDUCE VOMITING. Obtain medical attention. |

DISCLAIMER

The above information is given to the best of our knowledge based on laboratory testing and practical experiences. The information in this data sheet may be subject to changes from time to time and without notice due to production refinements arising from continuing research and evaluation programmes, which may occasionally result in marginal changes in the coating properties.