

## TECHNICAL DATA SHEET

# PROMINENT QD MACHINERY ENAMEL PRIMER - ZINC PHOSPHATE

*Date: January 2025*

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS



### PRODUCT DESCRIPTION

Corrosion resistant metal primer based on a short oil alkyd and containing Zinc Phosphate as an anti-corrosive pigment.

### INTENDED USES:

New, rust-free metal as a primer.

### FEATURES:

1. Quick drying.
2. Can be overcoated after 2 hours.
3. Corrosion resistant.

### PRODUCT INFORMATION:

Appearance:	Matt.
Colours:	Grey.
Solids:	55% by mass; 34% by volume.
Density:	1,20Kg/litre.
Recommended Wet Film Thickness	73µm
Recommended Dry Film Thickness:	25µm.
Spreading rate:	10 - 12m <sup>2</sup> /litre.
Viscosity at 23°C:	65KU.
Flash point:	23°C
Respecting the environment:	Dispose of excess product and containers in a responsible manner without harming the environment.

This product is manufactured under strict SABS ISO 9001:2015 quality standards.

### STORAGE:

Keep containers properly sealed.  
Store away from direct heat, sun and severe cold in a place with adequate ventilation.

### PACKAGING:

5Lt, 20Lt

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### APPLICATION DETAILS:

Mixing:	Stir well before use with a flat paddle to an even consistency. Stir occasionally during use.		
Method:	Roller (Mohair), Brush and Spray		
Thinning:	Not recommended for roller and brush application.		
Cleaning:	Remove as much of the product as possible from the application equipment before cleaning with Lacquer Thinners.		
Application Conditions:	<u>Surface Temperature</u>	<u>Ambient Temperature</u>	<u>Relative Humidity</u>
	Min: 5°C	Min: 5°C	Min: 10%
	or 3°C above dew point, if possible, away from direct sunlight		
Drying time:	Max: 40°C	Max: 40°C	Max: 85%
	<u>Touch dry:</u> 15 minutes at 23°C	<u>Overcoating:</u> 2 - 3h at 23°C	
	Maximum 14 days at 23°C		
	Note: higher temperatures will accelerate the drying times (approximately halved for every 10°C increase) whilst lower temperatures will retard the drying times (approximately doubled for every 10°C decrease).		
Requirements:	One coat.		

### SURFACE PREPARATION

New work:	Surfaces must be sound, grease free, clean, and dry before painting. All surfaces before painting should be assessed and treated in accordance with ISO 8504 - 1:2000 and 8504 -2:2000.
New Steel:	Manual cleaning combined with General Purpose Cleaner diluted 1:10 with water using a scouring pad. In maintenance situations and surface is rusted then also use Prominent Multi Surface Etch Cleaner to remove surface rust. Allow the steel to dry before priming. Prepare steel by wire brushing to grade Sa 2½ of ISO 8501-1:1998
Surface Rusted Steel:	Preferred 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) or if abrasive blasting is impossible, mechanically abrade to Grade ST 3 ISO 8501-1:2007 – this is not as effective as abrasive blasting and will reduce the life expectancy of the coating system. Clean surface with Prominent General Purpose Cleaner at a diluted ratio of 1:10 with water using a scouring pad, remove surface rust using Multi Surface Etch Cleaner with abrasive pad, rinse with water and allow drying. 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.
Redecorating:	Only for Machinery Enamel Systems.

### LIMITATIONS:

1. Poor adhesion properties on rusted steel.
2. If the open time of steel has lapsed, then start cleaning again to remove surface rust.
3. Cannot be overcoated with solvent based epoxies i.e. 2 Pack Polyurethane Floor Coating.
4. Thicker coatings take longer to dry thoroughly.
5. Do not spray steel when warm surface temperature as this will prolong the drying time.

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### SAFETY PRECAUTIONS:

1. Keep out of reach of children.
2. Ensure to maintain good ventilation during application and drying process.
3. In case of skin contact, wash with soap and water or a recognised skin cleaner. Avoid contact with eyes. In case of contact with eyes rinse immediately with running water and seek medical advice
4. If product is ingested, drink plenty of water or milk. Do not induce vomiting at any time. Seek medical advice.
5. Refer to the Material Safety Data Sheet (MSDS) for detailed information about the product and transportation and classification criteria. MSDS is available on [www.prominentpaints.co.za](http://www.prominentpaints.co.za) or the from Prominent Paints Customer Service Department.
6. To avoid any risk of spillage, always transport in a secure upright position.

### DISCLAIMER:

The information contained herein is given in good faith and is meant merely as a guide for the specifier or user. It is gained from results obtained from our experience and tests conducted under controlled conditions. No warranty/guarantee is implied since the conditions of use, application method, substrate and cleanliness of the substrate are beyond Prominent Paints control. For a surface specific specification contact the Prominent Paints Customer Service Department for assistance. This issue supersedes all previous publications.

Important Note: 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 for reference. Prominent Paints Technical Data Sheets are available on [www.prominentpaints.co.za](http://www.prominentpaints.co.za) or from the Prominent Paints Customer Service Department.

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