

TECHNICAL DATA SHEET

PROMINENT DIRECT TO METAL ENAMEL

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THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

Quick drying Direct-to-Metal (DTM) enamel for smooth and hammered metal surfaces for maximum rust protection.

INTENDED USES:

Spray application on suitably prepared, new, unpainted, or prepared rusted mild steel.

FEATURES:

1. Quick Drying.
2. Good adhesion.
3. Overcoat after 2 hours, but not longer than 6 hours.
4. Good colour and gloss retention when paint colours are tinted with colour fast pigments.
5. Suitable for exterior applications on rusted and non-rusted metals.

PRODUCT INFORMATION:

Appearance:	Gloss finish.
Colours:	White and various standard colours as per colour card.
Solids:	42 by Mass, 21% by volume
Density:	1.04 Kg/litre.
Recommended Wet Film Thickness:	75 µm
Recommended Dry Film Thickness:	25 µm.
Spreading rate:	10 - 12m ² /litre.
Viscosity at 23°C:	62 KU.
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:

White & Fast-Moving Standard Colours – 1Lt, 5Lt, 20Lt and 200Lt
Slow Moving Standard Colours – 5lt Only

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PROMINENT QD DIRECT TO METAL ENAMEL

APPLICATION DETAILS:

Mixing:	Stir well before use with a flat paddle to an even consistency. Stir occasionally during use.		
Method:	Spray Application.		
Thinning:	Prominent Lacquer Thinners 10%-15% maximum for spraying.		
Cleaning:	Prominent Lacquer Thinners.		
Application Conditions:	<u>Surface Temperature</u>	<u>Ambient Temperature</u>	<u>Relative Humidity</u>
	Min: 10°C	Min: 10°C	Min: 10%
	or 3°C above dew point, if possible, away from direct sunlight		
	Max: 40°C	Max: 40°C	Max: 85%
Drying time:	<u>Touch dry:</u> 15 minutes at 23°C	<u>Hard Dry:</u> 4h 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).		
Recoating time:	2 Hours to 6 Hours maximum at 23°C.		
Requirements:	2 coats minimum.		

SURFACE PREPARATION

Surfaces must be sound, clean, and dry before painting.

New Work: Non-rusted steel

1. All surfaces must be rubbed down with fine abrasive paper.
2. Degrease, using Prominent General Purpose Cleaner diluted 1:10 with water and a scouring pad then rinsed with clean water and allow to dry.
3. Apply a minimum of two coats using a spray gun.

Rusted steel

1. Remove surface rust using Prominent Multi Surface Etch Cleaner diluted 1:1 with water using a scouring pad and allow 20 minutes to react before rinsing with water and leave to dry. Do not leave prepared steel for longer than four hours after preparation to apply the paint coating as surface rust formation will reoccur.
2. Apply a minimum of two coats using a spray gun.

Redecorating:

1. Enamel painted surfaces: Strip off and treat as new work.
2. QD Enamel painted surfaced: Abrade well to matt finish and recoat

NB: Verify compatibility of Prominent QD DTM Enamel with previous coating before redecorating.

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LIMITATIONS:

1. Thick coatings take longer to thoroughly dry and thus directly affects the recommended recoating times.
2. Wrinkling can occur if recoating times are not adhered to.
3. 14 Days curing time is required for touch-ups if the 6-hour maximum recoating time has lapsed.
4. Applying thick coatings can, due to the nature of the product, result in adhesion failure.
5. QD DTM is only available in standard colours and tinting is prohibited.
6. Do not apply DTM on hot metals as it will prolong the drying time.
7. When painting a water based and enamel-based paints simultaneously in one room, the enamel paint tends to yellow during the drying process. This discolouration is most noticeable in white and light colours. It is an irreversible process and once it occurs, the only remedy is to let the enamel paint harden, then lightly sand it before repainting with a non-yellowing water-based system.

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 (SDS) for detailed information about the product and transportation and classification criteria. SDS is available on www.prominentpaints.co.za or from the 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 control. For a surface specific specification contact Prominent Customer Care 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 Technical Data Sheets are available on www.prominentpaints.co.za or from the Prominent Customer Care Department.

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