

TECHNICAL DATA SHEET

PROMINENT QD MACHINERY ENAMEL

Date: January 2025



THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

Quick drying enamel based on a short oil air drying alkyd.

INTENDED USES:

Spray application on suitably prepared, primed mild steel.

FEATURES:

1. Rapid drying.
2. Good adhesion.
3. Overcoat after 2 hours, but not longer than 6 hours.
4. Good colour and gloss retention.
5. Suitable for exterior applications.

PRODUCT INFORMATION:

Appearance:	Gloss finish.
Colours:	As per the latest colour card. Tint bases to tint most of the colours on the tint system.
Solids:	33% by Mass, 21% by volume
Density:	0,98Kg/litre.
Recommended Wet Film Thickness:	75µm
Recommended Dry Film Thickness:	25µm.
Spreading rate:	12m ² /litre.
Viscosity at 23°C:	55-60KU.
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 & Clear Tint Base – 1Lt, 5Lt, 20Lt
Fast Moving Standard Colours – 1Lt, 5Lt
Slow Moving Standard Colours – 5lt Only

TECHNICAL DATA SHEET

PROMINENT QD MACHINERY ENAMEL

APPLICATION DETAILS:

Mixing:	Stir well before use with a flat paddle to a homogenous consistency. Stir occasionally during use.		
Method:	Spray Application.		
Thinning:	Prominent Lacquer Thinners or Industrial Thinners. 10%-15% maximum for spraying.		
Cleaning:	Prominent Lacquer Thinners or Industrial 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		
	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, dry, grease free, clean and dry before painting.

New Work:

1. All surfaces should be rubbed down with fine abrasive paper.
2. Degrease, using Prominent General Purpose Cleaner diluted 1:10 with water or remove surface rust using Prominent Multi Surface Etch Cleaner diluted 1:1 with water using a scouring pad. Rinse with water and leave to dry.
3. Prime all bare surfaces with the appropriate Prominent Paints primer suitable for the Paint System or substrate within 4 hours to prevent new surface rust formation due to dew formation and condensation.

Redecorating:

1. Enamel paint: Strip off and treat as new work.
2. Machinery Enamel: Abrade well to matt finish and recoat

NB: Verify compatibility of Prominent Paints Machinery Enamel with previous coats before redecorating.

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. Machinery Enamel Clear Coat cannot be used for tinting.
5. Applying thick coatings can, due to the nature of the product, result in adhesion failure.
6. Machinery Enamel Matt Black cannot be over coated with Machinery Enamel Clear Coat.
7. Machinery Enamel can only be tinted with Prominent Paints Pro-Matic tinting system.
8. Spray applications with Machinery Enamel Silver may give off residue compared to a brush application in direct contact situations. For a residue-free finish overcoat with 1-2 coats of Machinery Enamel Clear Coat.
9. When tinting dark colours from a clear tint base, be aware that the recommended Dry Film Thickness (DFT) might be lower due to the volume of solid content. Therefore, additional coats may be necessary to achieve good opacity and an aesthetically pleasing finish. Bright and chromatic colours may require extra coats and premature fading could occur.

PROMINENT QD MACHINERY ENAMEL

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 or from the Prominent Paints Customer Service Department.
6. To avoid any risk of spillage, always transport in a secure upright position.

TINT BASE:

Characteristics:

1. The tint base containers are only filled to levels which are specific for each tint base to allow the calculated volume of colourant to be added to achieve the volume indicated on the container after tinting.
2. Tint bases and colourants are unfinished products which should not be used on their own.
3. Only once the prescribed colourant is added to the specific tint base will the finished product comply with the technical features and related information as set out in this TDS.

Product Information:

Colourant to be used: Prominent Paints colourants are specifically formulated for use with Prominent Paints Stainer tinting system, which only uses Prominent supported formulations on Formula Pro software.

Tint Bases: Controlled White and Clear Tint Base.

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 the 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.

Prominent (Pty) Ltd.
11 Dan Jacobs Street.
Alrode Alberton 1449
P.O. Box 136166
Alberton North 1456

Customer Service Department:
Tel: +27 86 177 6646
Tel: +27 11 389 4746

Reg. No. 1997/006763/07