



PAINT WITH CONFIDENCE



TECHNICAL DATA SHEET

INDUSTRIAL  
QUICK DRYING SPRAY ENAMEL

REVISION DATE: November 2018  
(Supersedes all previous publications)

PRODUCT INFORMATION

PRODUCT DESCRIPTION

QD SPRAY ENAMEL is a high quality quick drying gloss enamel for use on suitably primed steel surfaces.

PRODUCT USES

For use on suitably primed metal surfaces where a good quality spray finish is required in a short period of time. Ideal for plant and machinery, agricultural implements and gas cylinders. Not for household use as some colours may contain traces of lead.

TECHNICAL INFORMATION

GENERIC TYPE

Alkyd resin

FINISH

Gloss

VOLUME SOLIDS

35 ± 1%

SPECIFIC GRAVITY

1 kg/litre (typical)

RECOMMENDED DRY FILM THICKNESS

30 - 35 micron per coat. Two coats required.

RECOMMENDED WET FILM THICKNESS

90 - 110 micron per coat. Two coats required.

*Take care not to exceed maximum film thickness requirements to prevent drying complications like sagging and wrinkling upon over-coating.*

SPREADRATE

Smooth Surface	Rough Surface
9 - 11 m <sup>2</sup> /ℓ	6 - 8 m <sup>2</sup> /ℓ
Surface porosity, profile, application tools and technique will affect practical spread rate	

FLASH POINT

23°C

COLOURS

White, Black, Aluminium, Standard range, all Pastel and most dark colour can be tinted.

PACK SIZE

500ml, 1ℓ, 5ℓ and 20ℓ

STORAGE

Store away from direct sunlight, heat and severely cold or damp conditions. Ensure that containers are properly sealed before storage.



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## APPLICATION DETAILS

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### PRIOR TO USE

Mix well using a flat paddle until homogeneous in colour and consistency.

### APPLICATION METHOD

Brush or spray application

### THINNING

QD Thinners

Spray – Up to 25 %

Brush – Ready for use

### CLEANING OF EQUIPMENT

QD Thinners & Lacquer Thinners

### DRYING TIME (@ 23°C & 50% RH)

Touch dry 5 - 10 minutes

Over coating 10 minutes, **not more** than 8 hours

Fully cured 7 – 10 days

Do not touch-up after 8 hours drying as wrinkling may occur. If so then allow to cure for 7 days and test for compatibility.

*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).*

### APPLICATION CONDITIONS

	MIN	MAX
Surface Temp (°C)	15 °C	35°C
Ambient Temp (°C)	15 °C	35°C
Relative Humidity	10%	75%
<i>or 4°C minimum above dew point</i>		

### SUBSTRATE CONDITIONS

Substrate must be clean, dry and sound for painting. **Moisture content** must be **below 5% WME**, measured using a PROTIMETER (or equally approved).

### SAFETY PRECAUTIONS

Ensure good ventilation during application and curing process.

Keep out of reach from children.

In case of skin contact, wash with soap and water.

In case of eye contact rinse immediately with running water and seek medical advice if eyes are irritated.

If swallowed, do not induce vomiting and seek medical attention.

Always wear the appropriate protective clothing during product handling and application.

Refer to Material Safety Data Sheet on our website for more detailed safety information.



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## SURFACE PREPARATION

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Ensure that all surfaces are dry, clean and free of oil, grease and in accordance with above **SUBSTRATE CONDITIONS**.

Treat imperfections with an appropriate filler.

### **NEW WORK**

#### **NON-FERROUS METAL - GALVANISED IRON**

New galvanised iron must be cleaned with SABRE GI PRE-CLEANER in accordance with the product data sheet. Allow to react for 10 – 15 minutes and wash down with clean water. Test for water-break free surface and repeat if necessary. Allow complete drying and apply a coat of SABRE ONE CAN ETCH PRIMER and allow 1 hour drying.

#### **FERROUS METAL – MILD STEEL, ETC**

Remove all mill scale, surface rust, etc. by means of sandblasting, wire brush or sand paper. Wash down with SABRE DEGREASING SOLVENT and allow to dry. Prime with SABRE ONE CAN ETCH PRIMER and allow 1 hour drying.

### **PREVIOUSLY PAINTED SURFACES**

#### **QD ENAMEL SURFACES**

The surface must be well sanded and wiped down. Wash down with SABRE DEGREASING SOLVENT and allow to dry. Test a small sample area for compatibility before proceeding.

### **FINAL COAT**

Apply two coats SABRE QUICK DRYING ENAMEL allowing 10 minutes (*at 25° and 65% RH*) to a maximum of 8 hours drying time between coats. Take care not to apply SABRE QUICK DRYING ENAMEL too thick. We advise multiple thin coats to get the desired film build.

*Please note: Overcoat within 10 minutes after first coat. If the system has cured for longer than 8 hours then leave for 7-10 days before over coating, else surface wrinkling may occur. Paint film takes 7-10 days to fully cure.*

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## DISCLAIMER

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*The technical information contained in this document are given in good faith and are meant to be used as a guideline by the specifier or user. Whilst we are confident about the quality of our products, we cannot accept any liability for the incorrect use or application of our products. Surface preparation forms an integral part of the scope of works and it is expected that the highest standards are maintained during surface preparation and application, to ensure that our products perform as intended. Always ensure to use the same product batch numbers, refrain from doing spot touch-ups and paint surfaces from corner to corner to prevent colour and sheen variance.*

Please note that all our latest Product Data Sheets and Material Safety Data Sheets are available for viewing on our website at [www.sabre.co.za](http://www.sabre.co.za)

**SABRE PAINTS (PTY) LIMITED**

