

# QD Primer



## DESCRIPTION

One component, solvented, modified styrenated alkyd resin, air drying pigmented primer

## INTENDED USE

A fast drying primer for use under the Speccoats QD Enamel Range and other industrial topcoats

## PRODUCT FEATURES

- Fast drying for industrial systems
- Provides an adherent surfaces for subsequent coats
- Can be over-coated by QD and AD Enamels.
- Excellent adhesion to abrasive blast cleaned steel.
- Dry service temperature up to 80°C

## LIMITATIONS

- Not resistant to strong acids and alkalis outside pH range of 6-9
- Must be over coated to provide corrosion resistance

## PACKAGING

- 5lt, 20lt and 200lt Drums

## STANDARD COLOUR AVAILABILITY

Light Grey



Red Oxide



## PRODUCT INFORMATION

- **Number of Components:** 1
- **Density:** 1.11 kg/litre
- **Mass Solids:** 37%
- **Volume Solids:** 25%
- **Film Thickness:** Wet 160µm  
Dry 40µm
- **Spreading Rate:** 8.33m<sup>2</sup> /lt @ 30µm DFT
- **Temperature Resistance:** Dry 80°C
- **V.O.C.** 456 g / litre

## SURFACE PREPARATION

- Degrease surfaces with **Speccoats Hydrosolve** followed by a high pressure water rinse
- Grind and fettle weld spatter, protrusions and sharp edges to a minimum radius of 2mm
- All surfaces must be dry and clean

### Steel

- All surface shall be abrasive blast cleaned to grade SA 2 ½ of standard ISO 8501-1 with a blast profile of 30-40µm. The coating must be applied before any flash rusting occurs or the surface shall be re-blast cleaned
- Alternatively abrade the surface thoroughly using grinding disks to achieve a similar profile







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## APPLICATION

### Mixing – Two Components

- Stir the base component well with a flat-bottomed paddle or mechanical mixer until product is uniform.

### Application – Equipment & Methods

 Brushes	Suitable
 Rollers	Suitable
 Airless Spray	Pump Ratio - 30 to 1 Min Nozzle Orifice - 11 to 15 Thou Tip Pressure - 145 Bar Min
 Conventional Spray	<ul style="list-style-type: none"> <li>Air Assisted Airless</li> <li>Pressure Pot- Pressure Feed Gun</li> <li>Gravity Feed Gun</li> <li>Various Nozzle sets are available to suit the guns</li> </ul>

### Thinning

- Thin up to 30% if needed with **Speccoats QD Thinners**

### Cleaner

- Cleaning is done with **Speccoats SA65 Thinners**

## APPLICATION ENVIROMENT

Level	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	10°C*	7°C	No lower limit
Maximum	45°C	45°C	90%

\*or 3° above the dew point

## DRYING TIME

Touch dry	Over-coating interval		Dry to handle	Full Cure
	Minimum	Maximum		
15 minutes at 25°C for 50µm at 65% RH	2 hours at 25°C at 65% RH	30 days	2 hours at 25°C at 65% RH	7 days

## STORAGE AND HANDLING

**Storage -** Store at temperatures between 5°C and 40°C, away from direct sunlight, open flames or sparks

**Flash Point -** 4°C

**Shelf Life -** Minimum 1 year when packed in original containers

## HEALTH AND SAFETY

- Flammable – keep away from sources of ignition – No smoking!!!
- Adequate ventilation should be provided during use
- Avoid contact with the skin by using gloves, barrier creams and face mask
- If the product comes into contact with the skin, wash immediately with lukewarm water and soap, if the eyes are affected flush with water of diluted boric acid solution and seek medical attention immediately
- Refer to Material Safety Data Sheet (MSDS)

## DISCLAIMER

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