

## TECHNICAL DATA SHEET

<b><u>PRODUCT:</u></b>	<b>BC180 Q.D. SHOP PRIMER</b>
<b><u>DESCRIPTION:</u></b>	BC180 Q.D. Shop Primer is based on tough synthetic, phenolic modified, alkyd resins and zinc phosphate to give good adhesion and anti-corrosive properties.
<b><u>PROPERTIES:</u></b>	Quick drying Corrosion resistant One coat application Excellent adhesion to correctly prepared steel surfaces Readily recoat able with suitable topcoats
<b><u>COLOURS:</u></b>	Available in Blue and Red oxide. White, Grey (Light, Medium, Dark) and Yellow Oxide available against firm orders.
<b><u>AREAS OF USE:</u></b>	An easy application primer for implements, structural steel for buildings, earth moving equipment. Should be overcoated with air drying enamel e.g. BC100 Fast Dry Enamel but may be overcoated with other finishes (refer manufacturer) including urethanes.
<b><u>SURFACE PREPARATION:</u></b>	Remove any loose or flaking particles such as rust, deteriorated paint work & etc. Repair any surface defects prior to painting. Previously painted surfaces should be free from chalking, flaking paint, dirt and contamination and sufficiently roughened if necessary. If painting over an existing finish, <b>ALWAYS</b> test that BC180 Q.D. Shop Primer does not adversely affect the existing finishes.  <b>All surfaces to be painted must be sound, suitably cleaned and degreased.</b>  Some difficult to coat metals, such as aluminium, will need to be etch primed before the application of any other coatings.

## BC180 Q.D. SHOP PRIMER

**APPLICATION GUIDE:** Stir well before use preferably with a mechanical stirrer.  
 Reduce BC180 Q.D. Shop Primer with BC100 Enamel Thinner \* for use with conventional spray systems.  
 Apply 2 - 3 cross passes to obtain a smooth, even finish which covers the entire surface.  
 Allow adequate flash off time between passes and/or coats and do **NOT** attempt to speed up the drying process by blowing compressed air onto the job.  
 Failure to follow these instructions can cause ridging, splitting and/or cracking of the surface.  
 Allow to dry for at least 4 hours before recoating with enamels and allow to dry overnight before recoating with lacquers or urethane finishes.

**\* NOTE -**

High quality lacquer thinners can be used where they do not interfere with application and/or drying properties.

<b><u>DATA:</u></b>	Solids Content	40%	by volume
	Dust Free Time	5 - 10	minutes
	Touch Dry	15-20	minutes
	Dry to Light Sand Time	2	hours
	Dry To Recoat Time		
	ENAMELS	4	hours
	LACQUERS / URETHANES	16	hours
	Hard Dry Time	24 - 48	hours

**NOTE: *Drying times are dependent on film build and ambient weather conditions.***

### **TYPICAL SPECIFICATIONS:**

<b>SURFACE</b>	<b>PREPARATION</b>	<b>SYSTEM</b>	<b>DRY FILM THICKNESS</b>
Structural steel	Clean to AS1627.4 Class 1	First Coat: 180 Q.D. Shop Primer	40 microns
		Second Coat: (if required) 180 Q.D. Shop Primer	40 microns
		Top Coat: BC100 Fast Dry Enamel	40 microns.
Mild steel	Remove rust, clean and degrease.	First Coat: 180 Q.D. Shop Primer	40 microns
		Second Coat: (if required) 180 Q.D. Shop Primer	40 microns.
		Top Coat: BC100 Fast Dry Enamel	40 microns

## **BC180 Q.D. SHOP PRIMER**

### **APPLICATION METHODS**

- **Airless Spray**

Recommended Thinner – BC Coatings BC100 Enamel Thinner if  
Required (5% Max Volume Addition)

Nozzle Orifice (approx.)- 0.46mm

Nozzle Pressure - 15MPa (2100 psi)

- **Conventional (Air) Spray**

Recommended Thinner – BC100 Enamel Thinner

Volume of Thinner - Up to 10%

Nozzle Orifice - 1.8-2.0 mm

Nozzle Pressure - 0.3-0.4 MPa (50-60 psi)

- **Brush / Roller**

Recommended Thinner – Mineral Turps (up to 5% by Volume)

Brush and/or roller application should be only used for spot repair or very small area (eg stripe) application

- **Cleaning Solvent**

BC100 Enamel Thinners

### **SAFETY PRECAUTIONS:**

Refer to BC Coatings SDS00019 BC180 Shop Primer

The information contained in this bulletin is given in good faith based on our laboratory and field experience.

There are no warranties implied or expressed.

It is recommended that the user determine the suitability of the product for the particular application under the user's actual conditions and application methods.