Chem~Bar™ 900

Vinyl Acrylic Finish

Data Sheet

FEATURES

Advantages:

- Can be used as a finish coat on a wide variety of primers, including Altex or Carboline high performance two pack primers
- Self priming on steel
- Can be applied to suitable prepared galvanised steel or concrete
- Can be built to 125 microns DFT
- Quick dry - even at low temperatures
- Good resistance to inorganic acids, salt solutions, alkalis and gases
- Excellent adhesion to aged chlorinated rubber coatings
- Excellent recoatability, even after years of weathering
- Excellent colour retention
- Resists excessive chalking
- Available in Aluminium Finish and Metal-Spray Sealer – refer to separate data

Limitation: of Use:

- Not recommended for solvent exposure or immersion

RECOMMENDED USES

Chem~Bar 900™ is specifically formulated to protect metal or masonry surfaces exposed to weather, water or chemicals.

Chem~Bar 900™ may be used to protect structural steel, tanks, pipes and equipment in the following:

- Pulp and Paper Industry
- Chemical Process Industry
- Sewage and Waste Water Plants
- Water Tanks
- Refineries
- Fertiliser Plants
- Marine Installations
- Bridges
- Power Projects
- Containers
- Shipping

(For metal-spray sealing refer to Chem~Bar 900 Aluminium data sheet)

SPECIFICATION DATA

Coating Type:	Vinyl Acrylic
Colour:	Standard: White, Black, Golden Yellow LF and most BS & AS 2700 shades Aluminium:(refer to Chem~Bar 900 Aluminium data sheet)
Packaging:	NZ: 1 litre, 4 litres and 10 litres
	Single component
Mix Ratio:	N/A
Pot Life:	N/A
Gloss:	Low Sheen
Flash Point:	24°C Setaflash
Thinner:	Carboline Thinner #10
Storage:	Store under cool, dry conditions

Density:	1.47 kg per litre
VOC:	465g/litre
Temperature Resistance:	70°C (dry)
Volume Solids:	45%

Theoretical Coverage Rate:

9 sq metres per litre at 50 microns DFT
4.5 sq metres per litre at 100 microns DFT

Recommended Film Thickness Per Coat:

111 microns wet to obtain 50 microns dry
222 microns wet to obtain 100 microns dry

Application: Spray, brush or roller

Dry Times (25°C / 50µm DFT / 50% RH):

Touch Dry	-	1.5 hours
Hard Dry	-	4 hours
Dry to Recoat	-	Overnight

SURFACE PREPARATION

All surfaces must be sound and free of oil, grease, dirt, form release agents, curing compounds, loose and flaking paint, moisture and other foreign substances.

Direct to Steel:

For the best results abrasive blast to AS1627.4 Class 2½ (SSPC SP10). The steel profile after blasting should be 25 to 40 microns in depth and be of a jagged nature as opposed to a peen pattern.

Chem~Bar 900™ should be applied to the prepared surface as soon as possible to prevent re-rusting or contamination.

Over Primed Substrates:

Chem~Bar 900™ may be applied to surfaces primed with a compatible primer. Compatible primers include Chem~Bar 3500™ Primer, Multi~Bond Primer, High Build Rust Barrier, Zinkex 100, Carbozinc® 859 EZ2, Carboguard® 504 and Altra~Bond® 3094 CF.

DIRECTIONS FOR USE

Mixing:

Use mechanical agitation for proper mixing to ensure homogeneous condition. Stir until thoroughly mixed.

Thinning:

Thinning is not normally required however conditions may dicate the addition of 5% to 15% v/v Carboline Thinner #10.

Note: Excessive thinning can cause low film thickness, sagging and other film defects.

Application:

The preferred method of application Chem~Bar 900® is spray. Small areas may be brushed, however care must be taken to ensure that the correct film thickness is obtained.

Conventional Air Spray

1.4mm to 1.8mm Fluid tip with appropriate air cap

Airless Spray

Pump Ratio	30:1
Material Hose	3/8" I.D min
Tip Size	0.015 – 0.019

(Note: The above is a guide. Other equipment to the above may be used.)

Clean-up:

Use Carboline Thinner #10.

PRECAUTIONS

For industrial use only. Read and follow all the caution statements on this Product Data Sheet, the product label and the Material Safety Data Sheet (MSDS) for health and safety information prior to use.

Chem~Bar® 900 is flammable. Keep away from heat, sparks and open flame. Use with adequate ventilation. May cause eye and skin irritation. Do not breathe vapour or spray. Wear suitable protective clothing such as gloves and eye and face protection.

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