

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Vinyl acrylic
<b>Description</b>	Specifically formulated to protect metal or masonry surfaces exposed to weather, water, or chemicals.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Can be used as a finish coat on a wide variety of primers, including Altex or Carboline high performance two pack primers and epoxies</li> <li>• Self-priming on steel</li> <li>• Can be built to 125 microns DFT</li> <li>• Quick dry - even at low temperatures</li> <li>• Good resistance to inorganic acids, salt solutions, alkalis, and gases</li> <li>• Excellent adhesion to aged chlorinated rubber coatings</li> <li>• Excellent recoatability, even after years of weathering</li> <li>• Excellent colour retention</li> <li>• Resists excessive chalking</li> <li>• Available in Aluminium Finish and Metal-Spray Sealer – refer to separate data</li> <li>• Suitable for use in virtually every manufacturing, processing, or terminal facility</li> </ul>
<b>Colour</b>	White, Black, Golden Yellow. Available in most British Standard & AS 2700 colours. Aluminium - (refer to Chem~Bar™ 900 Aluminium data sheet)
<b>Finish</b>	Low sheen
<b>Dry Film Thickness</b>	50 - 100 microns 111 microns wet to obtain 50 microns dry 222 microns wet to obtain 100 microns dry
<b>Solids Content</b>	By volume 45% ± 1%
<b>Theoretical Coverage Rate</b>	9 m <sup>2</sup> /L at 50 microns 4.5 m <sup>2</sup> /L at 100 microns Allow for loss in mixing and application.
<b>VOC Values</b>	<b>As Supplied</b> : 410 g/L
<b>Dry Temp. Resistance</b>	70°C Dry
<b>Limitations</b>	Not suitable for solvent exposure or immersion

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	All surfaces must be sound and free of oil, grease, dirt, loose and flaking paint, moisture, and other foreign substances prior to application of Chem~Bar 900 Clean and/or degrease with either a suitable non-ionic detergent (such as Altex P40 Cleaner), or solvent wipe with Altex C50 Surface Cleaner.
<b>Steel</b>	For optimum results, abrasive blast to near white metal equivalent to SSPC-SP 10 (AS 1627.4 Sa 2½).
<b>Primed Substrates</b>	Chem~Bar 900 may be applied to surfaces primed with a compatible primer. Compatible primers include Chem~Bar 3500, Multi~Bond Primer, High Build Rust Barrier, Zinkex 100, Carbozinc 858, Carboguard 504 and Altra~Bond 3094.

## MIXING & THINNING

<b>Mixing</b>	Stir thoroughly to ensure a homogeneous condition.
<b>Thinning</b>	Thinning may be required. In hot conditions the addition of 5% to 15% by volume with Altex Thinning Solvent #10 will be beneficial.   Note: Excessive thinning can cause low film thickness, sagging and other film defects
<b>Ratio</b>	N/A – single component coating
<b>Pot Life</b>	N/A

## APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

<b>Spray Application (General)</b>	The preferred method of application for Chem~Bar 900 is spray.
<b>Conventional Spray</b>	1.4mm to 1.8mm fluid tip with appropriate air cap.
<b>Airless Spray</b>	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.)
<b>Brush &amp; Roller (General)</b>	Small areas may be brush or rolled if conditions are suitable, however, care must be taken to ensure the correct film build is applied.

## APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	5°C	5°C	5°C	0%
Maximum	32°C	37°C	35°C	85%
Optimum	16-24°C	16-24°C	16-24°C	30-70%

## CURING SCHEDULE

Surface Temp.	Dry to Handle	Dry to Recoat	Dry to Touch
5°C	16 Hours	24 Hours	4 Hours
15°C	4 Hours	Overnight	90 Minutes
24°C	2 Hours	8 Hours	45 Minutes

Cure times are based on 50 – 75 microns dry

## CLEANUP & SAFETY

**Cleanup** | Use Altex Thinning Solvent #10

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

**Ventilation** | It is very important for the safety of the applicator and the proper performance of Chem~Bar 900 that good ventilation be provided to all portions of the enclosed area. It is equally important to bring into the enclosed area dry fresh air to remove all solvent vapours. Since solvent vapours are heavier than air, ventilation ducts should reach to the lowest portions of the enclosed areas as well as into any structural pockets. Ventilation should be provided throughout the cure period to ensure all the solvents are removed from the coating.

## PACKAGING, HANDLING & STORAGE

**Shelf Life** | 24 months

**Shipping Weight (Approximate)** | 4L - 5.88 kg  
10L - 14.7 kg

**Storage Temperature & Humidity** | Optimum: 15-20°C

**Flash Point (Setaflash)** | 29°C

**Storage** | Store under cool, dry conditions.  
Avoid large fluctuations between high and low temperatures.  
Avoid the formation of condensate due to low temperatures.

## WARRANTY

### DISCLAIMER

The information in this datasheet is provided as a guide only and is provided without warranty, implied or otherwise. It is your responsibility to determine the suitability of any information or product for the use contemplated. Conditions of use, application and the substrate are beyond our control so no liability whatsoever (whether as to coverage, performance, injury or otherwise) is accepted for the information contained herein.

Data sheets may change from time to time and it is your responsibility to ensure you have the latest product datasheet and material safety data sheet from your supplier. Check the data sheet date with the listings at [www.altexcoatings.com](http://www.altexcoatings.com) Altex Terms and Conditions of Trade, available at [www.altexcoatings.com](http://www.altexcoatings.com), apply in respect of all coating products and materials supplied, including samples.