



Chem~Bar™ 3500

Chlorinated Rubber Primer

Data Sheet

FEATURES

Advantages:

- Single pack direct to steel primer
- Excellent corrosion protection
- Fast dry time
- Excellent application properties
- Excellent water immersion resistance
- Reinforced with aluminium flake
- Cost effective & easy to use product for Dockings
- Simplified coating system for maintenance repaints in the Commercial Marine sector
- Extended time to overcoat with antifoulings
- Supported by many case histories within the Commercial Marine market over sequential dockings

RECOMMENDED USES

Chem~Bar™ 3500 Primer is a single pack steel primer designed for use in industrial and marine applications. For atmospheric exposures, Chem~Bar 3500™ Primer is normally topcoated with Chem~Bar 900™ Finish.

Chem~Bar 3500™ Primer may be:

- Applied directly over steel or over zinc primers such as Carbozinc® 859 EZ2, Carbozinc® 858, Zinkex 100 or Carbozinc® 11.
- Used on substrates other than steel, (consult Altex Coatings for specific recommendations)

Chem~Bar 3500™ Primer is used in the commercial marine sector as:

- a barrier/seal coat over aged or incompatible/unknown antifoulings
- a tie coat over suitably prepared, aged epoxy coatings prior to application of the selected Sea~Barrier® antifouling
- a sealant to assist in the prevention of TBT leaching from an underlying antifouling coating - provided it is applied at a minimum dry film thickness of 80 microns (minimum 2 coats by roller).

It is normally overcoated with Sea~Barrier® 1000, 3000 or Sea~Barrier® Alloy 100 PLUS Anti-fouling.

SPECIFICATION DATA

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|------------------------|---|
| Coating Type: | Chlorinated Rubber |
| Colours: | NZ: Metallic Grey Aust: Metallic Grey |
| Packaging: | NZ: 4 and 10 litres Aust: 10 litres only Single component |
| Gloss: | Satin |
| Flash Point: | 27°C Setaflash |
| Thinner: | Altex Thinning Solvent #10 |
| Pot Life: | N/A |
| Induction Time: | N/A |
| Shelf Life: | 12 months |
| Storage: | Store under cool, dry conditions |

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| Density: | 1.34 kg per litre |
| VOC: | 578g/ litre |
| Temperature Resistance: | 60°C (dry) |
| Volume Solids: | 34% |
| Theoretical Coverage Rate: | 4.5 sq. metres per litre at 75 microns DFT |
| Recommended Film Thickness Per Coat: | 221 microns wet to obtain 75 microns dry |
| Application: | Spray, brush or roller |
| Dry Times (25°C / 75µm DFT / 50% RH): | |
| Touch Dry | - <1 hour |
| Hard Dry | - 18 hours |
| To Self Recoat | - 2 hours |
| To Topcoat (CB900) | - 3 hours |
| To Topcoat (Sea~Barrier) | - 5 hours |
| Recoat Maximum: | |
| Self | Extended |
| Antifouling | Extended |
| (Surfaces must be clean and oxidation free) | |

SURFACE PREPARATION

All surfaces must be sound and free of oil, grease, dirt, loose and flaking paint, moisture, and other foreign substances. Clean all surfaces in accordance with AS1627.1 (SSPC SP1) solvent cleaning.

Steel Substrates:

For the best results, abrasive blast to SSPC SP10/NACE No.2 (AS1627.4, Sa 2½)

The steel profile after blasting should be 25 to 60 microns in depth and be of a jagged nature as opposed to a peen pattern.

For areas where abrasive blasting is not possible, power tool clean to SSPC SP3 (AS1627.2 St3) or hand tool clean to SSPC SP2 (AS1627.7 St2)

Chem~Bar 3500™ Primer should be applied to the prepared surface as soon as possible to prevent re-rusting or contamination.

Other (Coated) Surfaces:

For existing, aged vinyl acrylic and chlorinated rubber systems, Chem~Bar 3500 may be used for spot priming and/or repairs.

Ensure surfaces are degreased with either Altex P40 Prepainting Cleaner or, with Altex C50 Surface Cleaner in accordance with AS1627.1 (SSPC SP1) solvent cleaning.

Power tool clean corroded and damaged surfaces to SSPC SP3 (AS1627.2 St3) and ensure edges are feathered back to sound coatings. Sand all aged (sound) coatings to a matt finish.

Antifouling Coated Surfaces:

High pressure water clean (5,000 – 10,000 psi/330 – 660 bar) to remove all marine growth, hydrolised antifouling, salts, loose paint and any other foreign matter.

The cleaned surface, once dry should be free of any powdered antifouling residues and should be inspected for defects in the film. Repairs to the coating system should be completed with Chem~Bar™ 3500 before the application of any subsequent coat of Sea~Barrier® antifouling.

Consult your Altex Coatings Representative for specific recommendations regarding compatibility with existing anti-fouling systems.

DIRECTIONS FOR USE

Mixing:

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

Thinning:

Thinning is not normally required or desired; however, in extreme temperatures, **small** amounts (10% or less) of Altex Thinner #10 may be added to the mixed material.

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

Clean-up:

Use Altex Thinner #10.

Application:

The preferred method of application Chem~Bar™ 3500 Primer is spray. Small areas may be brushed, or rolled, however care must be taken to ensure that the correct film thickness is obtained.

Suggested spray equipment:

Conventional Air Spray

1.4mm to 2.2mm Fluid tip with appropriate air cap.

Airless Spray

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| 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.)

PRECAUTIONS

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.

Chem~Bar™3500 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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