

## PRODUCT CHARACTERISTICS

Innovative coating that protects the substrate by priming and finishing all in one-coat.  
 A truly wet, rust and oil tolerant coating, ideal for large site maintenance contracts.  
 Rain, water or high humidity has no affect on freshly painted surfaces.  
 Exceptional corrosion resistance, used extensively for protection against CUI (Corrosion Under Insulation).  
 Recommended for structures, especially pylons (suitable for aged and new galvanised substrates), pipe works, floating tank roofs, jetties, columns, pillars, etc.  
 Ideal universal primer for grit blast, water blast or mechanical surface preparation methods.  
 It is resistant to and can be applied on hot surfaces up to 150°C.  
 VOC compliant with good UV resistance.

## PRODUCT DESCRIPTION

Two pack wet, rust and oil tolerant epoxy primer finish.  
 In cold and wet condition, amine blooming may occur.  
 In circumstances when decorative finish is required use RC 500GTC or RN 500TC.

## PRODUCT INFORMATION

|                          |  |                             |
|--------------------------|--|-----------------------------|
| Colour:                  | Standard grey (BS O2 A 07), light grey (BS 00 A 05).<br>Limited range of dark colours available. |                             |
| Solids content (w/w%):   | Approx 90%   |                             |
| Volume solid (v/v%):     | 73%  |                             |
| Mix ratio:               | <b>5 ltrs</b>  | <b>15 ltrs</b>              |
|                          | RL 500PF (Part A):   | 4.32      12.95             |
|                          | HN 500 (Part B):   | 0.68      2.05              |
| Typical density:         | 2.0gms/cm <sup>3</sup>   |                             |
| Typical thickness range: | DFT:   | 100 - 200 microns per coat. |
|                          | WFT:   | 137 - 274 microns per coat. |
| Theoretical coverage:    | 7.3 - 3.65m <sup>2</sup> /ltr<br>(Allow for application losses, surface irregularities, etc).    |                             |
| Pack sizes:              | 5 and 15 ltrs (other pack sizes available on request).   |                             |

## APPLICATION DATA

|                                      |  |  |
|--------------------------------------|--|--|
| Method:                              | Conventional/airless spray, brush or roller.   |  |
| Thinner:                             | T5 (if required).<br>(5-10% for brush/roller application on hot surfaces).<br>(5-10% for airless spraying) |  |
| Cleaner:                             | S11A   |  |
| Recoating interval:                  | <b>Min:</b>  | <b>Max:</b>  |
| Over-coating interval with topcoats: | 5 - 6 hrs (touch dry)  | Unlimited  |
| Pot life:                            | 5 - 6 hrs (touch dry)  | 48 - 72 hrs  |
| Cure:                                | 60 - 90 minutes  | (depending on temperature).                                    |
|                                      | 24 - 72 hours  | (depending on temperature and other environmental conditions). |

## APPLICATION

|                             |   |  |
|-----------------------------|---|--|
| Constituents:               | Two pack epoxy system consisting of base resin and hardener.  |  |
| Mixing:                     | Part <b>A</b> (resin) and part <b>B</b> (hardener) are supplied in separate containers. Always mix part <b>A</b> prior to addition of part <b>B</b> . Part mixing is <b>not</b> recommended unless accurate scales are available. |  |
| Conventional/airless spray: | Pump:   | Minimum 33:1 ratio.                    |
|                             | Tip size:   | (19 - 21 thou.) heavy duty reversible. |
| Roller/brush:               | For inaccessible or awkward areas or when spray application is not required or feasible.  |  |

## SURFACE PREPARATION

All surfaces to be coated must be clean and free from contamination.  
High pressure fresh water wash or fresh water wash as appropriate; remove all soluble contaminants and other foreign matter.

|                 |           |
|-----------------|-----------|
| Abrasive blast: | Min. Sa 1 |
| Water-jetting:  | Min. WJ-3 |
| Mechanical:     | Min. St 2 |

Surface preparation for aged and new galvanised substrate (Network Rail Specification X099).  
Surface preparation for existing weathered paintwork (Network Rail Protective Treatment XM9).

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## LIMITATIONS

|           |  |
|-----------|--|
| Pot life: | Dependant on ambient and material temperature, the hotter the material the shorter the pot life.<br>Vigilant care and attention to pot life is required during application.<br>If gelling has started, do not apply. |
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## ENVIRONMENTAL CONDITIONS

There are no humidity or dew point restrictions.  
Minimum steel/ambient temperature of 5°C is required for effective cure of the system.  
At cold temperatures or wet conditions (during application), amine blooming may occur, the discolouration does not affect the performance of the coating.

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## SAFETY PRECAUTIONS

It is the policy of CHEMCO INTERNATIONAL to ensure that its products are handled and applied by professionally approved and skilled applicators.  
Application shall be carried out in accordance with instructions contained in this data sheet and referenced to CHEMCO INTERNATIONAL TECHNICAL SPECIFICATION MANUAL.  
CHEMCO INTERNATIONAL management are intent on ensuring all work is carried out in accordance with company HEALTH & SAFETY procedures and all materials are handled with due care to COSHH regulations and instructions.

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## STORAGE

Store in cool, dry conditions (not less than 4°C or above 20°C).  
Keep away from direct heat source and sunlight.  
When not using the material always replace the lid on the container.

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## SHELF LIFE

At least 24 months when stored in sealed containers at temperatures of not less than 4°C or above 20°C.  
At temperatures above, refer to manufacturer for advice.

DISCLAIMER: The information contained herein is to the best of our knowledge accurate and current and is given in good faith without warranty. Users are deemed to have satisfied themselves independently as to the suitability of our products for their particular purpose. In no event shall Chemco International be liable for consequent or incidental damages.

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