

PRODUCT CHARACTERISTICS

Unique, solvent-free, low odour primer system with truly wet & rust tolerant properties.
Rain, water or high humidity has no effect on freshly painted surfaces.
Ideal universal primer for any surface preparation method, e.g. grit blast, water blast or mechanical.
Outstanding adhesion to less prepared substrates, ideal for application in confined spaces, tanks (especially ballast tanks), pipes, floors and structures.
Innovative single coat maintenance system.
Zero VOC.

PRODUCT DESCRIPTION

Two pack **solvent-free, wet & rust tolerant** epoxy primer.
Outstanding high gloss finish.
As in all epoxies, the product can change colour or fade when exposed to UV. Colour changes are not detrimental to performance of the system.
In cold and wet condition, amine blooming can occur.
For all colour decorative finish, apply one of Chemco's UV resistant topcoats.

PRODUCT INFORMATION

Colour:	Medium grey (other colours are available on request).
Volume solids:	100%
Typical density:	1.6 ± 0.1
Mix ratio:	Mix part A (resin RS 500P) and part B (hardener HR 500P) in proportionate weights as supplied.
	5 kgs 20 kgs
	RS 500P (Part A): 4.18 16.72
	HR 500P (Part B): 0.82 3.28
Cure:	Cross-linking polymerisation.
Typical thickness range:	50 - 250 microns per coat.
Theoretical coverage:	6.25m ² /kg @ 100 microns. (Allow for application losses, surface irregularities, etc).
Pack sizes:	5 and 20 kgs (other pack sizes available on request).

APPLICATION DATA

Method:	Airless spray, roller or brush.
Thinner:	T5 (not required). Use 2.5 - 5% for spray application in cold conditions and/or long hoses over 50m. Do not use thinners in potable water application.
Cleaner:	S11A
Recoating interval:	Min: Touch dry. Max: Unlimited.
Pot life (minutes)*:	RS 500P 15°C 30°C 65 30
Drying time (hours)*	Touch dry: 4 - 8 2 - 4 Hard dry: 12 - 16 6 - 8
Pot life (minutes)*:	RS 500P-TG 140 65
Drying time (hours)*	Touch dry: 8 - 12 4 - 8 Hard dry: 24 12 - 16

*Depending on environmental factors such as humidity, air flow etc.

APPLICATION

Constituents:	Two pack epoxy system consisting of base resin and hardener.
Mixing:	Part A (resin) and part B (hardener) are supplied in separate containers. Always mix part A prior to addition of part B . Part mixing is not recommended unless accurate scales are available.
Airless spray:	Pump: Minimum 45:1 ratio (preferably 63:1), large volume delivery is essential. Tip: (17 - 19 thou.) 60°angle, heavy duty reversible. Tip pressure: 3,000psi minimum.
Brush or roller:	Use 3/8" hose to maximum 30m (1/2" for longer distances) with 1/4" whip end. Use as shorter line as possible. Remove all filters from the gun and pump. For inaccessible or awkward areas or when spray application is not required or feasible.

SURFACE PREPARATION

Remove weld spatter, smooth weld seams and remove sharp edges by rounding to minimum radius of 2mm.

Abrasive blast:	Min. Sa 1
Water-jetting:	Min. WJ-4
Mechanical:	Min. St 2
Surface profile:	Min. 50 microns.

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

LIMITATIONS

Pot life:	Vigilant care and attention to pot life is required during application. If gelling has started, do not apply.
Airless spraying:	Preferably keep the material at room temperature when airless spraying.

ENVIRONMENTAL CONDITIONS

There are no humidity or dew point restrictions.
Minimum steel/ambient temperature of 5°C is required for effective curing 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.

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 H & S procedures and all materials are handled with due care to COSHH regulations and instructions.

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.

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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