

## PRODUCT CHARACTERISTICS

Epoxy coating formulated with ceramic technology to withstand hardwearing and abrasive stresses. Forms an impermeable barrier, suitable for repair work on all types of fluid flow equipment and for tank linings. Imparts excellent chemical and thermal resistance properties with a low friction finish to offer improved efficiency. Specifically formulated to resist high temperature, aggressive chemical and fluid flow environments: -

- Pumps
- Pipes
- Heat Exchangers
- Tube Sheets
- Castings
- Impellers/Propellers
- Tanks
- Diffusers
- Cracked casings
- Fan Blades
- Valves
- Bow Thrusters

Deep pitting and voids can be filled quickly with RT 500 **Cerpo-fix™** renewal compound. RT 500 is fully machineable and has excellent adhesion with RU 500. User-friendly and easy to apply. Effective one-coat system which can be easily over-coated if required.

## PRODUCT DESCRIPTION

Two pack epoxy novolac, incorporating **Cerpofix™** high performance technology.

## PRODUCT INFORMATION

Colour:	Standard orange.	
Volume solids:	100%	
Mix ratio:	Mix part A (resin RU 500) and part B (hardener HU 500) in proportionate weights as supplied.	
Mix density:	1.28g/ml	
Cure:	10°C	20°C
Pot life:	80 mins	45 mins
Touch dry:	8 hrs	5 hrs
Hard dry:	24 hrs	12 hrs
Full cure:	7 days	3 days
Typical thickness range:	200 - 400µ per coat.	
Theoretical coverage:	3.1m <sup>2</sup> /kg @ 250µ 1.95m <sup>2</sup> /kg @ 400µ (Allow for application losses, surface irregularities, etc).	
Temperature resistance:	Immersed:	125°C
	Dry:	180°C (discolouration may occur).
Pack sizes:	1, 5 and 20 kgs	

## POST CURING

Post curing will enhance the chemical, temperature and abrasion resistance of the system. Use dry heat @ 70 - 80°C for minimum 4 hours. Lower temperature will not be effective unless it is used for a much longer period. Steam curing can be utilised only if the coating has been sufficiently cured/aged. The most effective post curing is to achieve similar or higher temperature than working temperature of the vessel.

## APPLICATION DATA

Method:	Brush or roller.	
Thinner:	<b>No thinning agents required.</b>	
Cleaner:	S11 or S11A	
Recoating interval:	Min:	4 - 8 hrs (touch dry) @ 20°C
	Max:	24 hrs @ 20°C

Rev: December 2017

## APPLICATION

Constituents:  
Brush:  
Airless spray:

Two pack epoxy system consisting of base resin and hardener.  
Recommended method.

**Not normally used for this type of product. However, can be achieved with:**

Pump:  
Tip size: Minimum 45:1 ratio with a fluid twist tip.  
(19 - 23 thou.)

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## SURFACE PREPARATION

Metallic surfaces:

Remove all loose contamination by wire brushing.  
Remove any dirt, oil, grease, etc. using a suitable cleaner/degreaser that does not leave a residue.  
A suitable angular metallic or non-metallic abrasive should be chosen to give a minimum profile of 50µ.  
Abrasive blast the metal surface to ISO 8501-1 Sa 2½  
After blasting, the surface should be coated before any oxidation takes place.

Metallic surfaces which have been immersed for any period in salt solution, e.g. seawater, should go through a blast/wash/blast cycle (wash with clean potable water) or baked to remove all salt residues.  
The process should be repeated until all traces of salts have been removed.

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## LIMITATIONS

Pot life:

Vigilant care and attention to pot life is required during application. If gelling has started, do not apply.

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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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