Ceram - chem™
RP 500
Cerpofix™ Hi-performance Composite

PRODUCT CHARACTERISTICS

Epoxy coating utilising very robust ceramic technology providing a hard wearing, abrasion resistant impermeable barrier, suitable for repair work on all types of fluid flow equipment.
Extremely good chemical resistance properties with a low friction finish leading to improved efficiency.
Specifically formulated to resist very aggressive 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 RH 500 **Cerpofix**™ renewal compound.
RH 500 is fully machineable and has excellent adhesion with RP 500
User-friendly with high flexibility and ease of application.
Effective one-coat system which can be easily over-coated if required.

PRODUCT DESCRIPTION

Two pack epoxy composite incorporating **Cerpofix**™ high performance technology.

PRODUCT INFORMATION

Colour:	Standard green or blue.	
Volume solids:	100%	
Mix ratio:	Mix parts A (resin RP 500) and part B (hardener HP 500) in proportionate weights as supplied.	
Cure:	10ºC	20ºC
Pot life:	90 mins	45 mins
Touch dry:	8 hrs	5 hrs
Hard dry:	24 hrs	12 hrs
Full cure:	14 days	3 days
Typical thickness range:	200 - 400µ per coat.	
Theoretical coverage:	3m²/kg @ 250µ 1.9m²/kg @ 400µ (Allow for application losses, surface irregularities, etc).	
Pack sizes:	1, 5 and 20 kgs	

APPLICATION DATA

Method:	Brush or airless spray.
Thinner:	**No thinning agents required.**
Cleaner:	S11 or S11A
Recoating interval:	Min: 4 - 6 hrs (touch dry). Max: Unlimited.

APPLICATION

Constituents:		Two pack epoxy system consisting of base resin and hardener.
Brush:		Recommended method.
Airless spray:		**Not normally used for this type of product. However, can be achieved with:**
	Pump:	Minimum 45:1 ratio with a fluid twist tip.
	Tip size:	(19 - 23 thou.)

Technical Data Sheet

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.

LIMITATIONS

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

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.

STORAGE

Store in cool, dry conditions (not less than 4ºC or above 20ºC).
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 4ºC or above 20ºC.
At temperatures above, refer to manufacturer for advice.

East Shawhead Industrial Estate
Coatbridge ML5 4XD
Scotland United Kingdom
Tel: +44 (0) 1236 606060
Fax: +44 (0) 1236 606070
Email: sales@chemcoint.com
Web Site: www.chemcoint.com