Chem - glide™
RA 500CG
Epoxy Glassflake Solvent-free System

PRODUCT CHARACTERISTICS

A unique **solvent-free**, **biocide-free**, **non-toxic** and **non-stick scrubbable** hull coating.
An environmentally friendly and cost-effective alternative to conventional anti-fouling paints.
Provides a tough, impermeable barrier that does not provide support for marine growth.
Contains no solvents, biocides or harmful chemicals and there is no release of any ingredient.
Glassflake reinforced, providing an extremely good chemical and abrasion resistant barrier with high flexibility and exceptional impact resistance offering long-term protection.
Solvent-free system with outstanding "wet" tolerant properties.
Compatible with all existing primer or epoxy base coats.
Suitable for direct application to fibreglass substrates.
Ideally, RS 500P **solvent-free, wet & rust tolerant** primer should be utilised for "once only" base coat protection of the hull.

PRODUCT DESCRIPTION

Two pack epoxy resin reinforced with screened glassflake and non-stick additives.
Outstanding high gloss finish.
As in all epoxies, the product can change colour or fade when exposed to UV.
In cold and wet condition, amine blooming can occur; the discolouration does **not** affect the performance of the coating.

PRODUCT INFORMATION

Colour:		Red/brown (Terracotta), blue, black or grey (other colours available on request).	
Volume solids:		100%	
Typical density:	Mixed:	1.2	
Mix ratio:		Mix part A (resin RA 500CG) and part B (hardener HF 500CG) in proportionate weights as supplied.	
		5 kgs	**20 kgs**
	RA 500CG(Part A):	3.54	14.15
	HF 500CG (Part B):	1.46	5.85
Cure:		Catalyst induced cross-linking polymerisation.	
Typical thickness range:		200 - 600 microns per coat. No maximum limitation.	
Theoretical coverage:		2.6m²/kg @ 300 microns. (Allow for application losses, surface irregularities, etc).	
Pack sizes:		5 and 20 kgs.	

APPLICATION DATA

Method:		Airless spray (preferred method). Brush and/or roller (acceptable orange-peel will occur).	
Thinner:		T5 Use 2.5% - 5% for spray application in cold conditions and/or long hoses over 50m.	
Cleaner:		S11A	
Recoating interval:		Use as 1-coat system only.	
Drying time:		**10ºC**	**20ºC**	**30ºC**
Pot life:		110 - 120 mins	70 - 80 mins	40 - 60 mins
Touch dry:		10 - 12 hrs	5 - 6 hrs	3 - 4 hrs
Hard dry:		20 - 24 hrs	10 - 12 hrs	6 - 8 hrs
Minimum time before immersion:		10 - 12 hrs	5 - 6 hrs	3 - 4 hrs

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 in proportionate weights as supplied.
Airless spray:	Pump:	Minimum 45:1 ratio (preferably 63:1), large volume delivery is essential.
	Tip size:	(17 - 21 thou. Ideal 19 thou.) 60º angle, heavy duty reversible.
	Tip pressure:	3,500psi minimum.
		Use ⅜" (10mm) hose to maximum 30m [½" (13mm) for longer distances] with ¼" (6mm) whip end. Use as shorter line as possible. Remove all filters from the gun and pump.

Technical Data Sheet

APPLICATION cont'd

Brush and roller:	For inaccessible and awkward areas and touch-ups or when spraying application is not feasible (acceptable orange-peel will occur).
Caution:	Mixed unused material expands rapidly due to exothermic reaction.

APPLICATION CONDITIONS

	Min.	Max.
Paint temperature:	10ºC	35ºC
Application ambient temperature:	5ºC	40ºC

SURFACE PREPARATION

Existing paints:	Ensure all anti-fouling layers are removed and surfaces are washed.
Existing Chem-glide™:	Sweep blast to roughen up the surface and remove contamination.
Abrasive blast:	Min. Sa 2 (ISO 8501-1:1998), SSPC-SP 6
Water-jetting:	Min. WJ-2, HB2L/M
Mechanical:	Min. St 3
Surface profile:	Min. 50 microns.

LIMITATIONS

Pot life:	Dependant on ambient and material temperature, the hotter the material the shorter the 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

Environmental conditions:	There are no humidity or dew point restrictions. Minimum steel/ambient temperature of 5ºC is required for effective cure. At cold temperatures and/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 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.

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