

PRODUCT CHARACTERISTICS

Provides a tough, impermeable barrier, suitable for steel and concrete surfaces.

Solvent-free, odourless system with outstanding "wet" tolerant properties.

Extremely good abrasion and chemical resistance properties.

User-friendly with high flexibility and exceptional impact resistance.

Extensively used as **solvent-free** tank lining in petrochemicals, offshore and marine for sea water ballast tank, crude oil, fuel and potable water.

Compatible with all existing ballast tank paint systems, including coal-tar epoxies.

Exceptional performance and perfectly suited for splash zones and jetties where tidal movement and surges are expected as the product can cure underwater.

Approvals (RA 500M): -

Lloyds: Salt water ballast tank.

FDA: Use with potable water. Use in transporting and holding all non-alcoholic food.

NSF: Use with potable water (for tank capacity > 1,000 US gallons or 3,800 ltrs).

PRODUCT DESCRIPTION

Two pack epoxy resin reinforced with screened glassflake.

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:		Standard light grey (other colours available on request).
Volume solids:		100%
Typical density:	Mixed:	1.2
Mix ratio:		Mix part A (resin RA 500) and part B (hardener HF 500) in proportionate weights as supplied.
		5 kgs 20 kgs
	RA 500 (Part A):	3.67 14.68
	HF 500 (Part B):	1.33 5.32
Cure:		Catalyst induced cross-linking polymerisation.
Typical thickness range:		200 - 600µ per coat. No maximum limitation.
Theoretical coverage:		3.1m ² /kg @ 250µ
		(Allow for application losses, surface irregularities, etc).
Temperature resistance:		Maximum 60°C (immersed).
Pack sizes:		5 and 20 kgs.

APPLICATION DATA

Method:		Airless spray, roller, brush or trowel.
Thinner:		T5 (max 5% if required).
		Use 2.5% - 5% for spray application in cold conditions and/or long hoses over 50m.
Cleaner:		S11A
Recoating interval:	Min:	4 - 6 hrs (touch dry)
	Max:	Unlimited.
Pot life:		60 minutes @20°C (depending on environmental factors).
Drying time:	From:	24 - 72 hrs (depending on temperature and other environmental conditions).

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:	Part mixing is not recommended unless accurate scales are available.
Pump:	Minimum 45:1 ratio (preferably 63:1), large volume delivery is essential.
Tip size:	(21 - 25 thou. Ideal 23 thou.) 60° angle, heavy duty reversible.
Tip pressure:	3,500psi minimum.
	Use 3/8" (10mm) hose to maximum 30m [1/2" (13mm) for longer distances] with 1/4" (6mm) whip end.
	Use as shorter line as possible.
Brush or roller:	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 2 (ISO 8501-1:1998), SSPC-SP 6
Water-jetting:	Min. WJ-2, HB2L/M
Mechanical:	Min. St 3
Surface profile:	Min. 50µ

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 5°C 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.
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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.

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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