

INTERNATIONAL
chemco
PROTECTIVE COATINGS



**CHEMICAL TANK
COATINGS**



Chemco offer three chemical cargo tank lining coating systems which cover the full pH range from 1-14.

These systems have been designed to ensure long-term, anti-corrosion performance in all internal tank conditions, ranging from low temperatures and low chemical exposure to high temperatures and high chemical exposure.

System 1:
RS 500P & RA 500M

System 2:
RE 500P & RW 500

System 3:
RB 300 Series



SYSTEM 1: RS 500P & RA 500M

RS 500P & RA 500M combine to form a solvent-free, wet & rust tolerant, glassflake epoxy coating system.

This versatile coating system can be used across many tank applications, including ballast, freshwater, greywater, crude oil and cargo tanks.

PRODUCT CHARACTERISTICS

	RS 500P	RA 500M
Volume Solids	100%	100%
Temperature Resistance	Max. 60°C	Max. 60°C
Theoretical Coverage	6.25m ² @ 100µm	3.1m ² @ 250µm
Recoating Intervals	Unlimited	Unlimited
Pot Life	30 mins (30°C)	40-60 mins (30°C)
Surface Preparation	Abrasive Blasting: Min. Sa 1 Water Jetting: Min. WJ-3 Mechanical: Min. St 2	Abrasive Blasting: Min. Sa 2 Water Jetting: Min. WJ-2 Mechanical: Min. St 3
Application Method	Airless spray, roller, brush or trowel	Airless spray, roller, brush or trowel

SYSTEM BENEFITS

- **Solvent-free**
- **Wet & Rust Tolerant**
- Any surface preparation method can be used
- Application in any environmental conditions (no humidity or dew point restrictions)
- Other work (including hot work) can continue nearby without disruption
- No recoating limitations
- Compatible with almost all existing ballast tank coatings, including coal-tar epoxies
- Compatible with all shop primers
- **IMO PSPC** approved for Sea Water Ballast Tanks
- **IMO PSPC-COT** approved for Crude Oil Cargo Tanks
- **NSF** Certified for potable water applications
- **FDA** Compliant for food contact and potable water applications



SYSTEM 2: RE 500P & RW 500

RE 500P & RW 500 combine to form a **solvent-free, wet & rust tolerant**, high temperature, glassflake epoxy Novolac system.

This coating system is particularly effective in moderately alkaline conditions and offers excellent resistance to aggressive chemicals such as ethanol, methanol and caustic soda.

PRODUCT CHARACTERISTICS

	RE 500P	RW 500
Volume Solids	100%	100%
Temperature Resistance	Max. 125°C	Max. 125°C
Theoretical Coverage	7.7m ² /kg@ 100µm	3.1m ² /kg@ 250µm
Recoating Intervals	4-8 hours (Min.) 24 hours (Max.)	4-8 hours (Min.) 24 hours (Max.)
Pot Life	45 mins	45 mins
Surface Preparation	Abrasive Blasting: Min. Sa 2½ Water Jetting: Min. WJ-2 Mechanical: Min. St 2	Abrasive Blasting: Min. Sa 2½ Water Jetting: Min. WJ-2 Mechanical: Min. St 2
Application Method	Airless spray, roller, brush or trowel	Airless spray, roller, brush or trowel

SYSTEM BENEFITS

- **Solvent-free**
- **Rust Tolerant**
- Any surface preparation method can be utilised; abrasive blasting, water jetting or mechanical
- Excellent chemical and high temperature resistance
- Reduced H&S and Fire Hazard
- Reduced overall project cost and downtime
- Environmentally-friendly system



SYSTEM 3: RB 300 SERIES

Our specialist vinylester coating system offers a 100% solid, glassflake solution providing full pH protection (1-14).

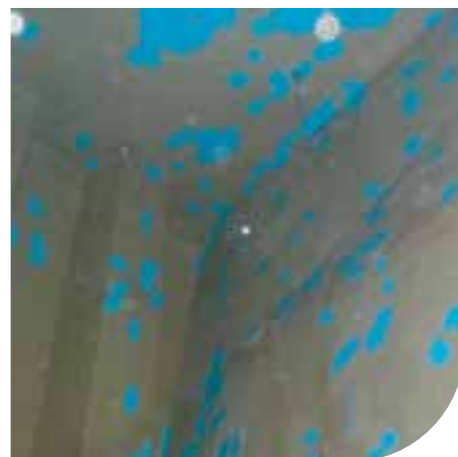
This system is commonly used as a tank lining system offering excellent resistance to the most aggressive chemicals operating at high temperatures.

PRODUCT CHARACTERISTICS

	RB 300 Series
Volume Solids	100%
Temperature Resistance	Maximum 125°C (Wet) Maximum 155°C (Dry)
Theoretical Coverage	1.5m ² /kg@ 500µm
Recoating Intervals	Unlimited
Pot Life	60 mins
Surface Preparation	Abrasive Blasting: Sa 2½
Application Method	Brush, roller or Airless spray

SYSTEM BENEFITS

- 100% Solid
- Exceptional resistance to high temperatures, thermal ageing, severe chemical, corrosive and abrasive environments
- Full pH protection (1-14)
- Provides a tough, impermeable barrier which is suitable for steel and concrete surfaces
- Fast curing, which allows quicker recoating intervals and quick back-in-service times
- Near smooth finish which can be made to any colour





 **chemco** INTERNATIONAL
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