



INTERNATIONAL
chemco
PROTECTIVE COATINGS



**REFINERY TANK
COATINGS**



Overview

Chemco offer key specifications for both the internal lining and external coating of refinery tanks.

These systems have been designed to ensure long-term, anti-corrosion performance in the presence of varying temperatures, pressures and chemical mixes.

SYSTEM ONE – INTERNAL RS 500P and RA 500M

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

This versatile coating system can be used as lining for many different tank applications, including crude oil, diesel, petrol, kerosene, biofuel and jet fuel.

This system is also fully FDA Approved and NSF Certified for food contact and the storage of freshwater.

System Benefits

- Solvent-free
- RS 500P Primer is rust tolerant
- RS 500P and RA 500M are wet tolerant
- Surface preparation flexibility
- Exceptional adhesion and anti-corrosion properties
- Application in any environmental conditions (no humidity or dew point restrictions)
- Can be applied by brush, roller or spray
- Other work (including hot work) can continue nearby without disruption
- No recoating limitations (ease of repair)
- Compatible with almost all existing epoxy systems and holding/shop primers
- 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 TWO – INTERNAL RB 300 Series

RB 300 Series is a vinylester coating system offering a 100% solid, glassflake solution with full pH protection (1-14).

This system can be used as a refinery tank lining ensuring excellent resistance to the most aggressive chemicals operating at high temperatures.

System Benefits

- 100% Solid
- Exceptional resistance to high temperatures, thermal ageing, severe chemical, corrosive and abrasive environments
- Specification can be altered to provide protection from almost all possible chemical mixes
- 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

SYSTEM THREE - EXTERNAL RL 500PF

RL 500PF is a high solids, VOC-compliant, wet & rust tolerant primer/finish coating system.

RL 500PF has been specifically designed as a one-coat system or as a high-performance coating which can be overcoated with coloured topcoats. RL 500PF forms a corrosion-resistant coating system for the long-term protection of refinery tank externals, corrosion under insulation (CUI) and many other structural steel assets.

System Benefits

- High solids, VOC-compliant
- Wet and rust tolerant (surface preparation flexibility)
- Exceptional adhesion and anti-corrosion properties
- Can be used as a one-product system when required
- Application in any environmental conditions (no humidity or dew point restrictions)
- Can be applied by brush, roller or spray
- Can be applied and operated in temperatures up to 150°C
- Excellent UV resistance and colour stability
- Long-term, minimal maintenance performance
- Significantly reduces downtime for external projects

For applications where a specific coloured finish is required, **RL 500PF** can be overcoated with **RC 500GTC**. RC 500GTC is a high-performance epoxy acrylic topcoat which can be manufactured in any colour.



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