



INDUSTRIAL



## CHEMCO INTERNATIONAL

Chemco is a world leader in innovative coating solutions in the Protective & Marine Coatings Industry.

Founded in 1982, Chemco International traces its origin back to the Original Glassflake Company, the inventors of glassflake technology in the 1960s. In 1990, the name was changed to Chemco International under new ownership.

Today, Chemco specialise in the design and manufacture of the most advanced polymers for leading edge anti-corrosion coatings utilised worldwide.

These systems have been successfully utilised across all major industries:

- Industrial
- Petrochemical
- Offshore
- Food & Beverage
- Marine
- Power Generation
- Oil & Gas
- Water & Sewage

The delivery of technologically advanced solutions also relies upon quality conscious people. Chemco have invested in a first class team of autonomous, highly motivated and multi-skilled professionals, who together conceive and implement the most advanced solutions to corrosion and abrasion.



## MISSION

To become the world's leading Protective & Marine Coatings Company whilst retaining our strong ethos towards innovative and environmentally friendly coating solutions.

## DESIGN

Significant investment in Research & Development enables the company to create and implement innovative coating systems for the most challenging environments.

## QUALITY

Quality is at the heart of Chemco's culture; continuous improvement is the core of our philosophy. In products, processes and technical expertise, we set the standard which others follow.

## SERVICE

We have established a unique all-embracing Holistic Service, extending far beyond traditional levels of technical support.

There are **three main methods** of surface preparation; abrasive blasting, water jetting and mechanical. For decades grit blasting has been the most commonly used surface preparation method; however, in recent years the high cost and environmental impact of grit blasting has forced the industry to look at alternative surface preparation methods.

## GRIT BLASTING

Abrasive blasting to Sa 2½ will always offer the best surface preparation. This is the method traditionally utilised for all conventional paint systems.

Unfortunately abrasive blasting encompasses a lengthy setup, large labour squads and extensive equipment requirements. Abrasive blasting also involves many time consuming operations; containment, collection, removal and disposal of the grit. Today it is considered a hazardous and costly process which is not permissible in many projects (e.g. Offshore).



## MECHANICAL PREPARATION

Mechanical preparation can be undertaken by various methods:

- Wire Brush
- Scraper
- Chipping Hammer
- Needlegun
- Grinding Discs
- Sanding Discs

Utilising Chemco's innovative technology allows application on surfaces prepared to standards as low as St 2.

## WATER JETTING

High Pressure (HP) and Ultra High Pressure (UHP) water jetting are gaining popularity due to their cost-effective and environmentally friendly nature. Chemco specify HP water jetting (500-800 bar) as the most efficient, safe and convenient surface preparation method, with standards as low as WJ-3.

One consequence of utilising water jetting is the development of flash rust on the surface; which is problematic for conventional paint systems. Chemco have eliminated this problem by developing innovative **wet & rust tolerant** technology where flash rust is acceptable.

Chemco's **wet & rust tolerant** coating systems have exceptional adhesion to rusty or poorly prepared and wet surfaces (> 1200 psi / 8 MPa).

Water jetting can also be utilised as an excellent and cost-effective method of surface preparation for concrete surfaces.



## ● SUBSTANTIAL TIME AND COST SAVINGS

Water jetting and mechanical preparation are now becoming more commonly employed as time and cost saving alternatives to abrasive blasting. It is already a necessary requirement to pressure wash surfaces exposed to saltwater environments to remove salt as part of the grit blasting process. Major savings can therefore be achieved by utilising HP water jetting; preparing the surface and removing salt and other contaminants in a single operation.

Chemco's innovative **wet & rust tolerant** technology also enables huge savings to be made through minimising the overall project duration and downtime. These systems allow the coating process to begin immediately after surface preparation on a wet substrate with no delay and no requirement for dehumidification; unlike other moisture tolerant systems where the substrate needs to be almost dry.



## ● REDUCED EQUIPMENT REQUIREMENTS

Abrasive blasting is a very time consuming and expensive process which requires the following equipment:

- High Volume Air Compressor
- Blast Pot
- Grit Removal
- Extensive Dehumidification & Ventilation Equipment
- High Power Supply

In comparison, water jetting only requires a small portable water jetting machine (e.g. Den-Jet).

## ● HEALTH & SAFETY AND ENVIRONMENTAL IMPACT

H&S and Fire Hazard are significantly reduced by utilising water jetting.

The process is environmentally friendly, allowing other work in the vicinity to be carried out without disruption.





# SOLVENT-FREE, WET & RUST TOLERANT TECHNOLOGY

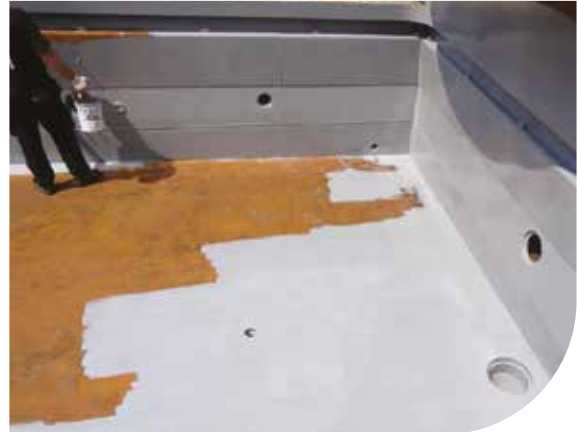
Chemco have developed the world's first **solvent-free, wet & rust tolerant** coating system that has truly revolutionised the Protective & Marine Coatings Industry. This system exhibits exceptional adhesion to rusty or poorly prepared and wet surfaces and has been proven to significantly reduce the overall time and cost of a project.

These **proven** advanced speciality coatings have not only passed independent laboratory tests, they have also been approved and used by almost all major shipping companies worldwide with complete success. They are supported by the most comprehensive and transferable guarantees for complete refurbishment, new build and uniquely for patch repair work.

## EPO-CHEM™ RS 500P

RS 500P is an innovative **solvent-free, wet & rust tolerant** epoxy universal primer/finish coating system. The system's long-term performance is based on completely sealing the surface (porous-free film) and arresting the rust totally.

The use of sacrificial fillers enables the system to be applied to surface standards as low as Sa 1, WJ-4 or St 2. RS 500P can be utilised as a one-coat system by brush, roller or airless spray.



Primer coat of RS 500P applied on rusty surface



RA 500M being applied on RS 500P primed surface

## EPO-CHEM™ RA 500M

RA 500M is a unique **solvent-free, wet tolerant**, highly chemical resistant, glassflake epoxy single coat/topcoat. Glassflake systems have been utilised for over 30 years in the most aggressive environments as they offer a total barrier against moisture and corrosive ions.

RA 500M can be applied as a topcoat on primers or as a one-coat system with minimum surface preparation standards Sa 2, WJ-2 or St 3.

## APPLICATION AREAS

Epo-chem™ RS 500P and RA 500M combine to make a multi-functional, groundbreaking coating system which has been extensively used for a wide variety of applications, including:

- All Tank Internals
- Pipelines (including sweating)
- Decks (internal/external)
- Splash & Tidal Zones
- Food Processing
- Superstructures
- Swimming Pools
- Jetties
- New Builds
- Plus many more...

This system has been **IMO** approved for application in sea water ballast tanks and crude oil cargo tanks. It has also been certified by **NSF** for potable water applications and **FDA** approved for food contact and potable water.



Factory Walls

## SYSTEM CHARACTERISTICS

Surface Preparation	Any method can be utilised; abrasive blasting, water jetting or mechanical
Solvent Content/VOC Levels	<b>Solvent-free</b> system with <b>zero VOC</b> . Suitable for application in confined spaces and hazardous areas
Glassflake Technology	Ensures long-term corrosion protection by creating an impermeable barrier
Environmental Conditions	No humidity or dew point restrictions
Overcoating Intervals	No limitations
Dehumidification or Ventilation	No extensive requirements
Health & Safety and Fire Hazard	Significantly reduced and non-flammable
Operational Shutdown	No shutdown required. Other work being carried out nearby (including hot work) can continue without disruption
Adhesion Values	Outstanding adhesion to rusty or poorly prepared and wet surfaces (> 1200 psi / 8 MPa)
Back-in-service Times	Quick back-in-service times. Systems can 'continue to cure' underwater
Application Method	Easy to apply by brush, roller or spray
Compatibility	Compatible with almost all protective coatings, including shop primers and coal-tar epoxies



Jetties



Swimming Pool



Potable Water Tank



Diesel Tank



"Sweating" Pipelines



Crude Oil Tank



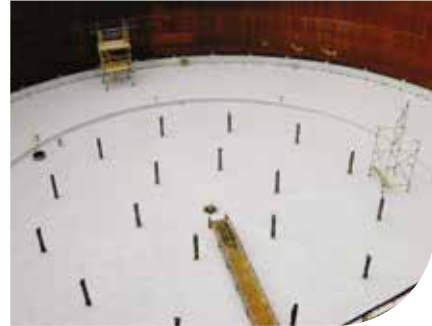
# WET & RUST TOLERANT PRIMER/FINISH

## EPO-CHEM™ RL 500PF

RL 500PF is a high solids, **wet, rust & oil tolerant** primer/finish coating system. It has been specifically designed as a one-coat system or as a high performance coating which can be over-coated with coloured topcoats.

This system can be utilised as an all-weather coating for large external structures (e.g. floating tank roofs) where complete encapsulation or weather proofing is not possible; rain, water or high humidity has no affect on freshly painted surfaces.

Introduced in 2001, RL 500PF has been applied over millions of square metres across all industries with complete success.



## APPLICATION AREAS

This revolutionary coating system exhibits exceptional adhesion on difficult substrates; stainless steel, new or old galvanised steel and exotic metals. The coating is also compatible with many aged paint systems.

RL 500PF can be utilised for the following applications:

- Floating Tank Roofs
- Pipeline Bundles
- Steam Pipes
- Decks
- Offshore Platforms
- Pylons
- Superstructures
- Tank Externals
- Chimneys
- Corrosion Under Insulation

## SYSTEM BENEFITS

- **Wet, rust & oil tolerant**
- Any surface preparation method can be utilised; abrasive blasting, water jetting or mechanical
- Apply and operate at temperatures up to 150°C
- No humidity or dew point restrictions
- No overcoating limitations
- Good UV resistance and colour stability
- Can be applied in any environmental condition
- Significantly reduces downtime for outdoor contracts
- Exceptional adhesion to wet & rusty surfaces



## TIME AND COST SAVINGS GUARANTEED

Substantial time and cost savings can be achieved in many projects by reducing the number of coats; RL 500PF can be utilised as a one-coat system.

RL 500PF can also be applied immediately after surface preparation by water jetting with no delays due to flash rust or wet substrate; the system exhibits outstanding adhesion to wet & rusty surfaces. The unique characteristics of RL 500PF additionally allow this system to be applied in adverse weather conditions.

Further savings can be achieved as RL 500PF can be applied on hot surfaces without process shutdown (e.g. live steam pipes).



## HIGH TEMPERATURE APPLICATIONS AND C.U.I.

RL 500PF can be utilised for a wide range of high temperature applications; chimneys, ducting and steam pipes up to temperatures of 150°C.

This system has also been extensively used and specified for Corrosion Under Insulation (C.U.I.) across all industries worldwide with an exceptional track record.

## OTHER STRUCTURAL COATINGS

Chemco have also developed a range of other innovative structural coatings; solvent-based (VOC compliant), **solvent-free** and **water-based** systems.

These coatings can be utilised for a wide variety of applications; internal/external structures, roof coatings, tank externals, superstructures and external pipework.

Product	Description
Fast-guard™ RN 500 Series	Multi-purpose, breathable, <b>water-based</b> acrylic coating range for concrete substrates, tank externals, roofs and cementitious fireproofing
Epo-chem™ RS 500P	<b>Solvent-free, wet &amp; rust tolerant</b> epoxy primer/finish; extensively used in confined spaces
Easi-prime™ RX 500P	<b>Water-based</b> , multi-purpose primer for metal, concrete, fibreglass and ceramic tiles with exceptional adhesion to difficult substrates



Fast-guard™ RN 500RC  
Primary School Roof



Epo-chem™ RS 500P  
Support Structure in  
Confined Space



# HIGH PERFORMANCE TOPCOAT

Industrial topcoats are designed to provide an aesthetically pleasing finish and a protective barrier against UV attack. In many industries topcoats can also be utilised to colour co-ordinate various structures in accordance with H&S standards.

## EPO-CHEM™ RC 500GTC

RC 500GTC is a state-of-the-art high performance epoxy acrylic topcoat. This unique system has exceptional chemical and UV resistance for exposed surfaces where colour retention, high gloss and an aesthetically-pleasing finish are required.

The **amine-free** coating was specifically designed for applications where the use of isocyanate-based (polyurethane) products is prohibited (e.g. Offshore).



### APPLICATION AREAS

RC 500GTC has been extensively utilised for a wide range of applications:

- Tank Externals
- Pipework
- Offshore Platforms
- Swimming pools
- Splash Zones
- Decks & Balconies
- Funnels
- Cranes

This multi-purpose topcoat can also be applied to areas immersed, semi-immersed or operating at high temperatures.

### CHEMICAL RESISTANCE

Chemco's RC 500GTC uniquely offers excellent chemical resistance; unlike conventional topcoats (e.g. acrylic, PU and acrylic PU).

The exceptional saltwater and chemical resistance of RC 500GTC makes this system the ideal topcoat for the marine, offshore and petrochemical industries.



### EXCELLENT PRODUCTIVITY

RC 500GTC exhibits outstanding opacity; substantial time and cost savings can be achieved as only a single coat is required to cover dark surfaces with light colours.

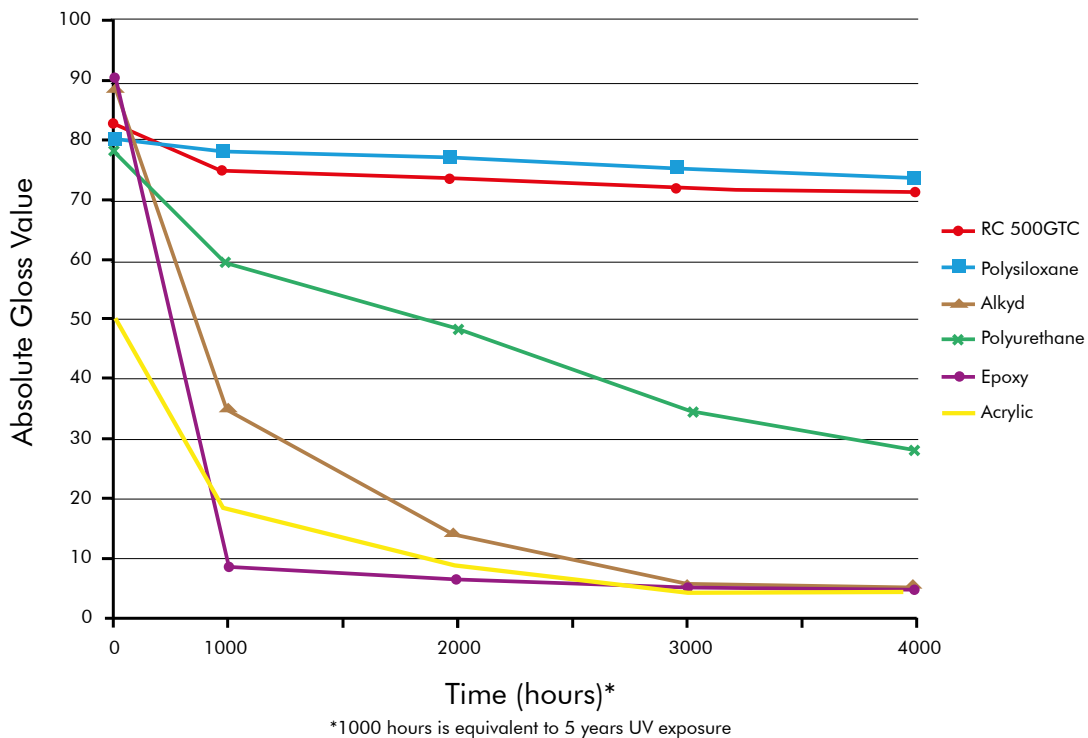
A long pot life and short drying time also provide excellent productivity and reduced downtime.



## UV RESISTANCE

RC 500GTC has been specifically formulated to offer outstanding UV protection in the harsh environments existing in the marine and offshore industries.

Independent tests have proven that RC 500GTC outperforms other market leading topcoats. This system also directly competes with, but does not encounter any of the problems faced by, polysiloxane coatings.



## OTHER TOPCOATS

Chemco also offer a wide range of innovative **water-based** epoxy, acrylic and silicon topcoats for a variety of applications; confined spaces, cementitious fireproofing, road tunnels, under passages, tank externals and high temperature pipework.



Fast-guard™ RN 500TC  
Tank Externals



Easi-gloss™ RX 500GS  
Turbine Hall Structure

Product	Description
Easi-guard™ RM 500LR	<b>Water-based</b> , fire retardant, light reflective epoxy topcoat
Fast-guard™ RN 500TC	<b>Water-based</b> acrylic topcoat
Easi-gloss™ RX 500GS	<b>Water-based</b> epoxy gloss topcoat
Easi-cote™ RX 500MT	<b>Water-based</b> epoxy matt topcoat
Hot-cote™ RG 900TC	<b>Water-based</b> silicon topcoat (< 350°C)



Chemco, the original glassflake coating manufacturer, have been designing specialist tank and pipe lining systems for over 30 years. These glassflake linings have a successful track record in the most aggressive chemical and high temperature environments. Chemco also offer a range of ceramic systems for tank linings where abrasion and chemical resistance are required.

## POLYESTER AND VINYLESTER GLASSFLAKE COATINGS

Chemco's range of polyester and vinylester products have provided the most cost effective tank lining solution for the most aggressive combination of chemicals and high temperatures. All products in the Chem-glass™ 200 series and Chem-tec™ 300 series are available in laminating, conductive, primer, topcoat and putty grades for specialist applications.

### CHEM-GLASS™ 200 SERIES

These products are recommended where long lasting performance is required. Their unique characteristics (optimum protection from the harshest and most severe operating environments) make them an ideal choice for metal, concrete and other substrates.

Chemco's polyester coating systems are available in two versions; Chem-glass™ RA 200 and Chem-glass™ RE 200.

RA 200 is typically utilised as a tank lining offering exceptional resistance to harsh chemical environments.

RE 200 is an isophthalic polyester traditionally utilised as a one-coat system for offshore structures.



Chem-glass™ RA 200  
Chemical Process Tank

### CHEM-TECT™ 300 SERIES

Chemco's vinylester range has provided the most cost effective, long-term tank lining solution for over 30 years.

These vinylester systems have now superseded polyester due to their ability to handle the most aggressive chemicals at higher temperatures.

There are six unique products in the Chem-tec™ 300 series. These vinylester glassflake systems offer long-term corrosion protection across the full pH range (1 - 14). They are particularly effective in acidic environments at high temperatures where conventional epoxies cannot function.



Chem-tec™ RB 300  
Acid Container

### SYSTEM BENEFITS

- Full pH protection (1 - 14)
- Form a tough, impermeable barrier to corrosion
- Outstanding chemical resistance to acids, alkalines and many solvents
- Fast curing allows quick over-coating, fast application and quick back-in-service times
- Fast curing even at low temperature
- Excellent UV and abrasion resistance

### SYSTEM BENEFITS

- Full pH protection (1 - 14)
- Outstanding high temperature performance (immersed up to 130°C, non-immersed up to 195°C)
- Exceptional resistance to thermal ageing, severe corrosive and abrasive environments
- Fast curing allows quick over-coating, fast application and quick back-in-service times
- Touch dry within 2-4 hours
- Fast curing even at low temperature
- Excellent impact and fatigue resistance

## SOLVENT-FREE EPOXY AND NOVOLAC EPOXY COATINGS

### EPO-CHEM™ RA 500M

RA 500M is a **solvent-free, wet tolerant** glassflake epoxy with excellent chemical resistance which can be utilised for a wide range of tank applications; potable water, crude oil, sewage, refined oil (diesel/petrol), sea water ballast and cargo. This system has the following approvals:

- NSF certificate for potable water
- FDA approval for food contact and potable water
- IMO approval for sea water ballast tanks
- IMO approval for crude oil cargo tanks



Epo-chem™ RA 500M  
Crude Oil Tank

### EPO-CHEM™ RB 500

RB 500 is a **solvent-free** epoxy coating specifically designed for wine and beer tank lining applications:

- Provides long-term protection for steel and concrete tanks
- Exceptional chemical resistance to aggressive cleaners
- Extremely smooth, high gloss finish
- Easy to clean and decontaminate
- FDA approved for alcoholic beverage applications



Epo-chem™ RB 500  
Beer Tank



Epo-chem™ RF 500  
Bund Lining



Epo-chem™ RW 500  
High Temperature Chemical Tank

### EPO-CHEM™ RF 500

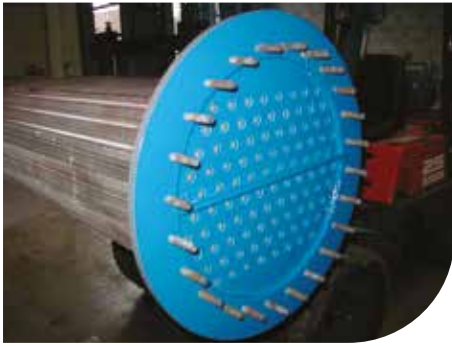
RF 500 is a **solvent-free**, glassflake Novolac epoxy coating specifically designed as a tank and bund lining for high concentration acids and low pH applications:

- Provides a tough impermeable barrier suitable for steel and concrete surfaces
- Outstanding resistance to strong acids (including 98% Sulphuric Acid)
- Cures to form a very hard and high gloss finish
- Extensively used for secondary containment in acidic environments

### EPO-CHEM™ RW 500

RW 500 is a **solvent-free**, glassflake Novolac epoxy coating specifically designed as a tank lining for the combination of high temperatures and aggressive chemicals:

- Outstanding protection to metal and concrete substrates
- Exceptional resistance to abrasion, erosion and thermal shock
- Ideal tank lining system for confined spaces
- Specifically suitable for high temperature process vessels
- FDA approved for hot potable water, food and beverage



Heat Exchanger



Fan Blades



Pipe Internals



Abrasion Resistant Lining

Chemco's ceramic systems have been specifically designed using a blend of ceramics and specialised epoxy technologies suitable for the repair and protection of process equipment used in highly abrasive and fluid-flow environments.

System benefits:

- Solvent-free
- Excellent abrasion and erosion resistance
- Extremely hardwearing
- Machinable finish
- Improved efficiency
- Exceptional chemical resistance



Pump Internals



Concrete Volute Pump



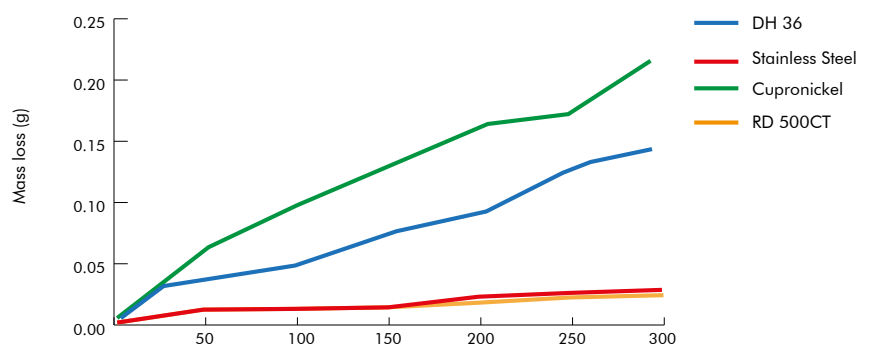
Pump

## ANTI-CAVITATION SYSTEM

Chem-cav™ RD 500CT is a solvent-free, flexible anti-cavitation system exhibiting exceptional corrosion, abrasion, erosion and cavitation resistance.

Independent tests have demonstrated the excellent performance of RD 500CT in comparison with the most commonly used metals.

Fresh Water, 1mm gap, 75% Power (750W), -790 mV CP



## GUIDE TO CHEMCO CERAMIC SYSTEMS

	Application	Coating	Product	
System 1  	Ambient temperature and mild chemicals	Primer*	Epo-chem™ RS 500P	<b>Solvent-free, wet &amp; rust tolerant</b> epoxy primer
		Filler/Putty	Ceram-chem™ RH 500	High density machinable epoxy putty
		Topcoat/Sealer	Ceram-chem™ RP 500	High efficiency, <b>solvent-free</b> , abrasion resistant ceramic topcoat
System 2  	Medium temperature and aggressive chemicals	Primer*	Epo-chem™ RE 500P	<b>Solvent-free, surface (rust) tolerant</b> epoxy Novolac primer
		Filler/Putty	Ceram-chem™ RT 500	High density, high temperature machinable epoxy putty
		Topcoat/Sealer	Ceram-chem™ RU 500	<b>Solvent-free</b> , epoxy Novolac ceramic topcoat
System 3  	High temperature and aggressive chemicals	Primer*	N/A	N/A
		Filler/Putty	Hot-cote™ RE 900	High density, high temperature machinable epoxy putty
		Topcoat/Sealer	Hot-cote™ RF 900	High temperature, <b>solvent-free</b> , ceramic epoxy topcoat
System 4  	Abrasion resistant lining	Primer*	Epo-chem™ RE 500P	<b>Solvent-free, surface (rust) tolerant</b> Novolac primer
		Filler/Putty	InD-cote™	High density, high temperature, abrasion resistant, epoxy Novolac lining
		Topcoat/Sealer	Ceram-chem™ RU 500	<b>Solvent-free</b> , epoxy Novolac ceramic topcoat

\* The use of primer is optional and depends on the surface preparation standard. Products can be applied direct to metal if minimum surface preparation standard of Sa 2½ and surface profile of 75µm is achieved.



# HIGH TEMPERATURE COATINGS

Chemco's high temperature coatings have been designed to provide long-term corrosion protection in immersed and non-immersed conditions ranging from 125°C to 850°C.

These high temperature coatings have been utilised across all industries; Industrial, Petrochemical, Power Generation, Marine and Offshore for a wide range of applications:

- Pipework
- Tank linings
- Flare stacks
- Superstructures
- Separators
- Process Vessels
- Ducting
- Chimney Stacks
- Fluid Flow Environments
- Flue Gas Desulphurisation Units



Hot-cote™ RA 900  
Flare Stack



Hot-cote™ RF 900  
Nuclear Power Station Fan



Hot-cote™ RA 900  
Vaporiser



Hot-cote™ RD 900  
Still Column Lining

## GUIDE TO CHEMCO HIGH TEMPERATURE COATINGS

Technology	Product/Description	Temperature Resistance
SILICON (EXTREME TEMPERATURE)	Hot-cote™ RA 900 Silicon Hybrid Coating System	850°C
	Hot-cote™ RB 900 Silicon Hybrid Coating System	850°C
	Hot-cote™ RG 900TC Water-based Silicon Topcoat	350°C
EPOXY (HIGH TEMPERATURE)	Hot-cote™ RD 900 High Temperature Solvent-free Glassflake Epoxy	210°C
	Hot-cote™ RE 900 High Temperature Epoxy Ceramic Putty	250°C
	Hot-cote™ RF 900 High Temperature Solvent-free Ceramic Epoxy	210°C
EPOXY (MEDIUM TEMPERATURE)	Epo-chem™ RL 500PF Wet & Rust Tolerant, High Solids Epoxy	150°C
	Epo-chem™ RW 500 Solvent-free, Novolac Glassflake Epoxy	125°C
	Epo-chem™ RV 500 High Solids, Novolac Epoxy	125°C



# INDUSTRIAL FLOORING

Chemco have developed a range of innovative, user friendly, **solvent-free** and **water-based** flooring systems that are hard wearing, chemically resistant and can be made to any colour. Unlike traditional flooring systems, they do not contain harmful solvents and are non-flammable with very little or no odour.

These systems are designed for a wide variety of applications offering protection from chemical attack and abrasive environments. Chemco deliver high quality, specialised systems, tailor-made to your specific requirements which provide the following:

*Solvent-free, Water-based, Self-levelling, Anti-static, Non-skid, Anti-slip, Conductive, Seamless and Aesthetically-pleasing finishes.*

Chemco's industrial flooring systems can be utilised for the following applications:

- Chemical Containment
- Food Processing
- Aircraft Hangars
- Clean Rooms
- Garages/Showrooms
- Distilleries
- Commercial Premises
- Plus many more...

## GUIDE TO CHEMCO INDUSTRIAL FLOORING

Product	Description
Chem-deck™ RA 800	<ul style="list-style-type: none"> <li>• <b>Solvent-free, moisture tolerant</b> coating or <b>self-levelling</b></li> <li>• Exceptional flexibility, chemical resistance and high gloss finish</li> <li>• Ideal for specialist anti-slip and non-skid applications</li> </ul>
Chem-deck™ RF 800P	<ul style="list-style-type: none"> <li>• <b>Solvent-free</b> epoxy Novolac primer</li> <li>• Excellent chemical and high temperature resistance</li> <li>• Utilised as a primer for Novolac topcoats</li> </ul>
Chem-deck™ RG 800	<ul style="list-style-type: none"> <li>• <b>Solvent-free</b> coating or <b>self-levelling</b></li> <li>• Tough, hard-wearing, high gloss and aesthetically-pleasing finish</li> <li>• Fast curing with good colour stability</li> <li>• Exceptional chemical and amine blooming resistance</li> </ul>
Damp-crete™ RH 800	<ul style="list-style-type: none"> <li>• <b>Solvent-free, wet tolerant</b> concrete primer</li> <li>• Utilised for new or green concrete</li> <li>• No requirement for customary 28 days drying period</li> </ul>
Fast-flor™ RS 800	<ul style="list-style-type: none"> <li>• <b>Water-based</b>, single pack, acrylic system</li> <li>• Outstanding water spotting and UV resistance</li> <li>• Suitable for outdoor applications</li> </ul>
Easi-floor™ RX 800	<ul style="list-style-type: none"> <li>• <b>Water-based</b> epoxy system</li> <li>• Excellent chemical resistance</li> <li>• Exceptional adhesion to almost all substrates</li> <li>• Long pot life, fast curing ensure excellent productivity</li> </ul>
Epo-flex™ RG 500	<ul style="list-style-type: none"> <li>• <b>Solvent-free</b> epoxy system</li> <li>• Outstanding flexibility and crack-bridging characteristic</li> <li>• Extensively used as a waterproofing membrane or flexible interlayer</li> </ul>
Nano-lite™	<ul style="list-style-type: none"> <li>• <b>Solvent-free</b>, lightweight, low density, polymeric screed</li> <li>• Utilised for levelling marine decks and for insulation purposes</li> </ul>



Easi-floor™ RX 800  
Distillery Floor



Damp-crete™ RH 800  
Chemical Resistant Lining



Fast-flor™ RS 800  
Factory Floor



Chem-deck™ RA 800  
Food Factory Floor



# CONCRETE REPAIR SYSTEMS

Chemco have designed a specialised range of concrete repair systems which surpass traditional systems due to their unique **solvent-free** and **moisture tolerant** technology.

These concrete repair systems are used for repairing light to heavy damage to concrete or masonry. They can be utilised in conjunction with Epo-chem™ protective coatings or Chem-deck™ flooring systems; offering a unique and complete solution from a single source.

They utilise state-of-the-art **solvent-free** or **water-based** technology and have been designed to be used quickly and easily for long-lasting repairs that are efficient and cost-effective.

These systems provide an ideal solution for repairing concrete structures; bunds, floors, tanks and walls across all industries.

## SYSTEM BENEFITS

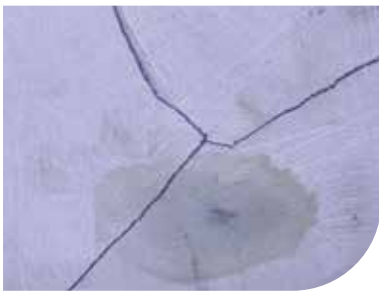
- Solvent-free
- Moisture tolerant
- No humidity or dew point restrictions
- Ideal for application in confined spaces
- Excellent chemical resistance
- Fast curing
- Form an extremely tough and smooth finish
- User friendly and easy to apply
- Extremely good flexibility; resilient to expansion and contraction



Chem-concrete™ RJ 800CRS  
Chemical Sump Repair



Chem-concrete™ RI 800CRS  
Swimming Pool Floor



Chem-concrete™ RN 800CRS  
Crack Repair



Damp-crete™ RH 800  
Concrete Bund Repair

## GUIDE TO CHEMCO CONCRETE REPAIR SYSTEMS

Product	Description
Damp-crete™ RH 800	Solvent-free, wet tolerant concrete primer for wet, new or green concrete; no requirement for customary 28 days drying period
Chem-concrete™ RI 800CRS	Solvent-free, moisture tolerant, flexible, universal epoxy filler for metal and concrete
Chem-concrete™ RJ 800CRS	Solvent-free, heavy-duty, moisture tolerant epoxy mortar for filling deep cracks, craters, crevices and spalls
Chem-concrete™ RL 800CRS	Water-based, light-duty, cementitious, self-levelling underlay or mortar
Chem-concrete™ RN 800CRS	Solvent-free, flexible, epoxy acrylic crack repair/sealer

# UNDERWATER COATINGS

For decades, the industry has been looking for a cost-effective and practical solution for long-term corrosion protection underwater.

Many structures cannot be removed; jetties, swimming pools and pilings. Therefore the repairs are required to be carried out underwater. Traditional methods of repairing these areas are too expensive and impractical. It is also a substantially costly and time consuming process to move large structures (e.g. offshore platforms) to dry-dock for repair and maintenance.

Chemco is a world leader in innovative underwater coating technologies; providing two unique systems:

- **Diver-cote™**
- **Pool-fix™**

Chemco's revolutionary underwater coating systems offer a substantial time and cost saving solution to underwater repair and maintenance. These systems have been approved by **NSF** and **FDA** for potable water and can be additionally utilised in drinking water lakes and reservoirs.



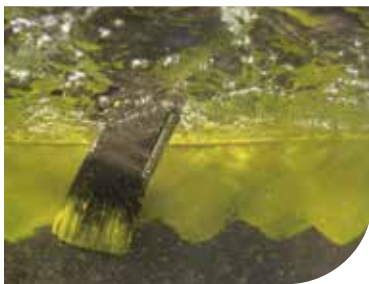
Jetty Repair

## DIVER-COTE™

A **solvent-free, wet tolerant**, glassflake coating/filler which is utilised for a wide range of underwater applications; protection of risers, pipes, jetties, pilings and other steel and concrete structures above/below the splash zone.

This system is available in 4 versions:

- **RA 500UW-F** Filler or crack repair compound
- **RA 500UW-HV** High viscosity for deep cracks and holes
- **RA 500UW-LV** Low viscosity for large areas
- **RA 500UW-S** Underwater adhesive



Application of Diver-cote™

## POOL-FIX™

A **solvent-free, wet tolerant** coating system specifically designed for the repair of underwater areas; especially for ceramic tiles within swimming pools. This system is ideal for repairing swimming pools without the requirement to empty the pool.

This system is available in 2 versions:

- **Pool-fix™** Small holes, leaks and cracks
- **Pool-fix™ Filler/Grout** Grout, large cracks or fixing tiles



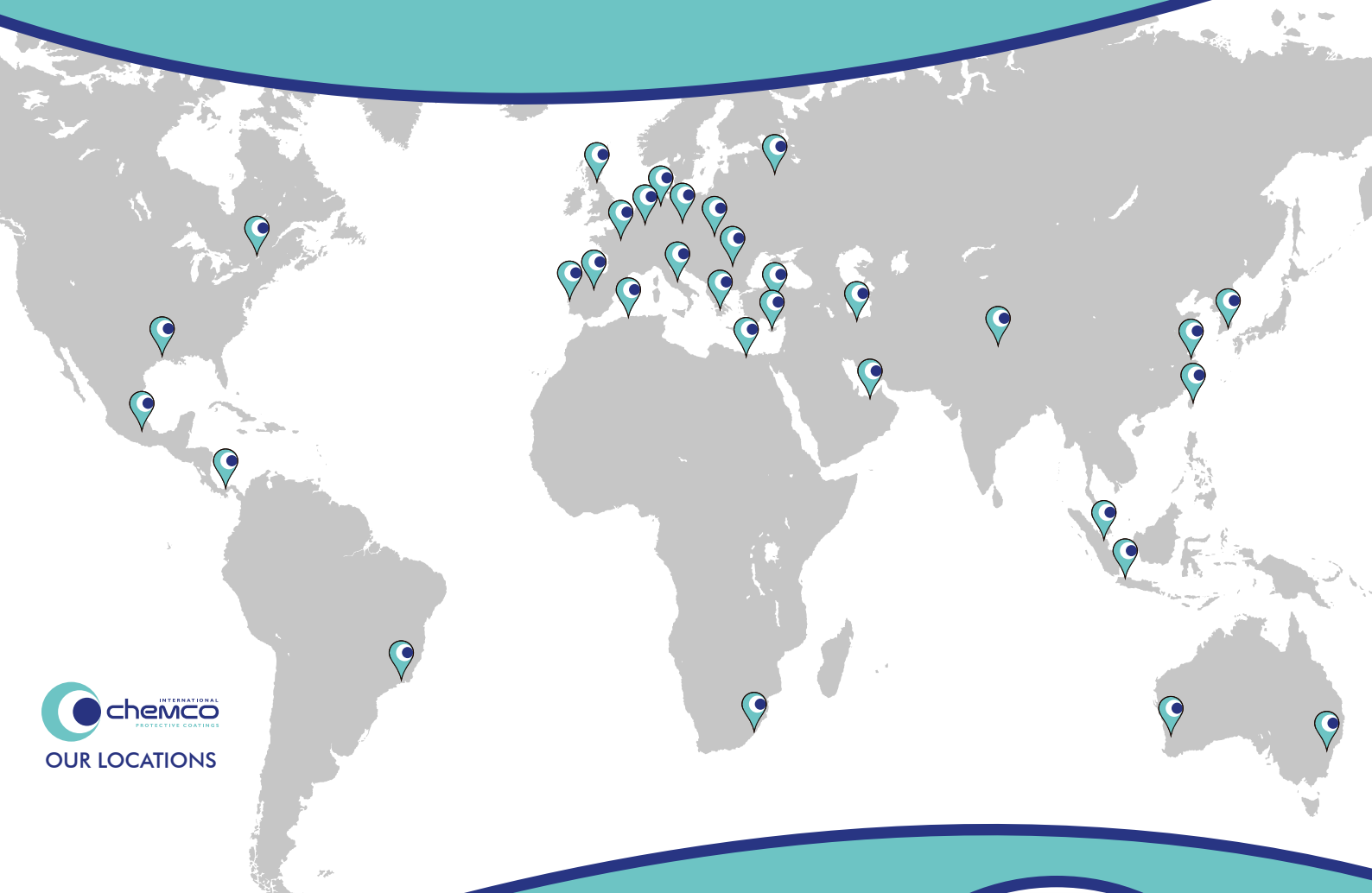
Filling swimming pool tile cracks

## SYSTEM BENEFITS

- **Solvent-free**
- No paint dispersion in water for eco-friendly application (faster and cleaner applications)
- Very smooth, non-porous, paint-like finish
- Excellent abrasion and erosion resistance
- Can withstand severe and physical stresses caused by wave action
- Excellent adhesion to substandard surface preparation expected underwater
- Long-term maintenance-free protection

## SYSTEM BENEFITS

- **Solvent-free**
- Little/no product dispersion during application
- Very smooth, paint-like finish
- Very easy to apply, requiring very little surface preparation
- No specialist training or equipment requirements
- Can withstand physical stresses caused by wave action
- Huge cost reductions as pool does not require to be emptied
- Available in all colours



OUR LOCATIONS



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