



# CORROSION SOLUTIONS

## PRODUCT BROCHURE





# CORROSION SOLUTIONS

RPL offers a diverse range of cutting-edge corrosion solution products, specifically tailored for the oil and gas, and marine industries.

Our comprehensive range of coating solutions is engineered to combat the challenges of corrosion, safeguarding critical infrastructure, and extending equipment lifespan. With a focus on efficiency and reliability, our products offer protection and optimal performance, even in the most demanding environments.

*Trust our expertise to deliver tailored solutions that mitigate corrosion risks and enhance operational safety.*

Contact us for more information or a free consultation:

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# BLASTING ABRASIVES



**GARNET™**

High Quality Blasting Abrasives

GMA Garnet Group is the global leader in industrial garnet supply, and has been providing the highest quality, premium abrasives to the waterjet cutting and protective coating industries for over 35 years.

PRODUCT	PERFORMANCE	APPLICATION
<p><b>Pyroxene</b></p> 	<ul style="list-style-type: none"> <li>. Ideal for light restoration of wood, stone and brick, automotive bodies, as well as removal of light paints and varnish.</li> <li>. Uniform surface profile of 1.0-2.0 mil (25-50)</li> <li>. Consumption rate: As low as 1.8lb/ft<sup>2</sup>.</li> </ul>	<p>Removal of light rust and wet blast applications. Concrete surfaces, light paint/ graffiti removal, wood restoration, automobiles, dirt, soot, grime.</p>
<p><b>80 Mesh NewSteel</b></p> 	<ul style="list-style-type: none"> <li>. Unrivalled speed in removing mill scale and light rust for new construction projects.</li> <li>. Produces surface profile from 1.5 – 2.5 mil (40 – 65 µm).</li> <li>. Consumption rate: As low as 1.8lb/ft<sup>2</sup>.</li> </ul>	<p>New construction New steel Tanks, piping, pressure vessels, ship hulls, ballast tanks, offshore platform decking, etc.</p>
<p><b>GX2 ToughBlast</b></p> 	<ul style="list-style-type: none"> <li>. Medium to heavy industrial maintenance: 2 to 3 coating systems and thick rigid coatings.</li> <li>. Uniform surface profile from 3 – 4 mil (75 – 100 µm).</li> <li>. Consumption rate: As low as 2.2lb/ft<sup>2</sup>.</li> </ul>	<p>Offshore platform decking, tanks, piping, petrochemical plants, pressure vessels, ship hulls and ballast tanks. Water/waste treatment plants.</p>
<p><b>GX3 ExtremeBlast</b></p> 	<ul style="list-style-type: none"> <li>. High performance for heavy industrial maintenance. Effective removal of specialised high build coatings of 30+ mils.</li> <li>. Uniform surface profile of 3.5 – 4.5 mil (90 – 115 µm).</li> <li>. Consumption rate: As low as 2.6lb/ft<sup>2</sup>.</li> </ul>	<p>Removal of pliable and flexible coatings including coal tar inner liners and some marine coatings. Offshore platform decking, tanks, piping, pressure vessels, ship hulls and ballast tanks.</p>

# SOLUBLE SALT REMOVERS, FLASH RUST INHIBITORS, PASSIVATORS & TEST KITS











**CHLOR\*RID Products**  
Soluble Salt Testing and Removal

A product group of



Corrosion Innovations manufacture the Chlor\*Rid SP8 product line, an innovative Coating-Edge Technology™. It is a superior surface treatment and unique cleaning process that prepares substrates for protective coating applications. Chlor\*Rid SP8 removes the non-visible cause of coating failures and prevents corrosion even in the most corrosive environments.

PRODUCT	PERFORMANCE	APPLICATION
<b>Chlor*Rid</b> 	Removes soluble salts from substrates.	Removal of soluble salts on metal and concrete, prior to painting.
<b>Chlor*Rid SP8 Rinse</b> 	Prevents flash rusting after blasting, by passivation only. 72 hours capability, but dependent on the environment. Leaves no residue.	Use in wet blasting processes, surface cleaning after dry blasting or hand tool cleaning, to remove amine blush on coatings prior to top coating. Removes and neutralizes the Chlor*Rid SP8 Gel when used as a system.
<b>Chlor*Rid SP8 Gel</b> 	Removes soluble salts, non-water contaminants, all surface contaminants, embedded abrasives and flash rust.	Used directly out of the pail without dilution, when the blast is lost due to weather, salt contamination and in lieu of dehumidification during the surface preparation process. Must be rinsed with Chlor*Rid SP8 Rinse.
<b>Hold*Blast</b> 	Prevents flash rusting after blasting for up to 72 hours.	Used in wet blasting applications.
<b>HoldTight 102</b> 	Prevents flash rusting after blasting for up to 72 hours.	Used in wet blasting applications.
<b>Chlor*Test</b> 	Tests for chlorides only.	Pipelines, petrochemical plants, steel fabrication, storage tanks, power plants, etc.
<b>Chlor*Test CSN</b> 	Tests for chlorides, sulfates and nitrates.	Pipelines, petrochemical plants, steel fabrication, storage tanks, power plants, etc.
<b>CSN Kit</b> 	Complete kits with case, meter and 5 CSN tests for field use.	Pipelines, petrochemical plants, steel fabrication, storage tanks, power plants, etc.



# INDUSTRIAL, OFFSHORE & MARINE COATINGS



Across the globe, Hempel products protect buildings, infrastructure, and other assets from corrosion. Hempel coatings help minimize maintenance costs, improve aesthetics, reduce waste and increase energy efficiency. They are also essential to sustainability, as they extend the useful lifetime of the assets they protect – helping lower the asset’s carbon footprint across its entire lifecycle.

COATING TYPE	PRODUCT	DESCRIPTION
<i>Zinc Rich Primers</i>	<i>Galvosil 15700 Inorganic Zinc</i>	Two-component solvent-borne, self-curing, inorganic zinc-rich silicate primer with outstanding resistance against weathering and abrasion. Offers excellent galvanic protection of local mechanical damage. Has excellent chemical resistance within the pH range 6-9.
	<i>Avantguard 550</i>	Hempadur Avantguard 550 is an activated, zinc epoxy primer in compliance with the requirements of Level 3, type II in SSPC Paint-20, 2019, containing equal to or greater than 65% zinc dust in the dried film but less than 77%. Hempadur Avantguard 550 functions as a zinc-rich epoxy featuring a higher mechanical strength.
	<i>Avantguard 750</i>	Hempadur Avantguard 750 is an activated, zinc-rich epoxy primer in compliance with the requirements of Level 2, type II in SSPC Paint-20, 2019 and ISO 12944 Part 5, 2018, containing equal to or greater than 77% zinc dust in the dried film but less than 85%.
	<i>Avantguard 770</i>	Hempadur Avantguard 770 is an activated, zinc-rich epoxy primer in compliance with the requirements of Level 2, type II in SSPC Paint-20, 2019 and ISO 12944 Part 5, 2018, containing equal to or greater than 77% zinc dust in the dried film but less than 85%. Avantguard 770 has also been tested and approved to be applied over marginally prepared surfaces.

# INDUSTRIAL, OFFSHORE & MARINE COATINGS



COATING TYPE	PRODUCT	DESCRIPTION
<i>Zinc Rich Primers</i>	<i>Avantguard 860</i>	Hempadur Avantguard 860 is an activated zinc-rich epoxy primer in compliance with the requirements of Level 1, type II in SSPC Paint20, 2019 and ISO 12944 Part 5, 2018, containing equal to or greater than 85% zinc dust in the dried film.
<i>Single Part Primer</i>	<i>Uniprimer</i>	Hempel's Uniprimer is recommended as a versatile primer on steel and metal surfaces for Hempalin or Hempatex in mild to medium corrosive atmospheric environment, giving the opportunity to reduce the number of primers for maintenance.
<i>Epoxies</i>	<i>Fast Dry 17410</i>	Hempadur Fast Dry 17410 is an epoxy paint, which combines high volume solids with a short drying time. It also contains zinc phosphate for better corrosion protection.
	<i>Hempadur Mastic 45881</i>	Hempadur Mastic 45881 is a polyamide curing, high solids epoxy paint. It forms a hard and tough coating, and has good wetting properties.
	<i>Hempadur Quattro 17634</i>	Hempadur Quattro 17634 is an epoxy primer which cures to a hard and tough coating with good resistance to seawater and various oils. It holds good resistance to abrasion and has excellent anticorrosive and mechanical properties. It is an all-year-round primer, ideal for application in newbuilding, ballast tanks, cargo oil tanks and cargo holds.
	<i>Hempadur 17630</i>	Hempadur 17630 is a two-component, high-build, polyamide adduct cured epoxy paint which cures to a hard and tough coating with good resistance to abrasion, seawater and various oils.



# INDUSTRIAL, OFFSHORE & MARINE COATINGS



COATING TYPE	PRODUCT	DESCRIPTION
<i>Glass Flake Epoxy</i>	<i>Hempadur Multi Strength GF</i>	Hempadur Multi-Strength GF 3587A is an amine-adduct cured epoxy coating reinforced with glass flakes. It is impact and abrasion resistant, and resists sea water, mineral oils, aliphatic hydrocarbons, and splashes from petrochemicals.
<i>Corrosion Under Insulation</i>	<i>CUI 275</i>	Hempaprime CUI 275 is a phenolic epoxy improvement based on fast drying, alkylamine cured epoxy. It provides long lasting barrier protection in coating systems for severe corrosive environments, including high temperature and wet conditions found beneath thermal insulation.
	<i>Versiline CUI</i>	Versiline CUI 56990 is a MIO pigmented, fibre reinforced, inorganic co-polymer coating that cures to an inert polymer matrix, able to resist temperatures up to 650°C [1200°F] and thermal shock/cycling in dry or dry/wet service. Conforms to NACE SP0198 - 2017 systems SS-5, CS-6 and CS-8.
<i>High Heat Coatings</i>	<i>Hempel's Silicone 56940</i>	Hempel's Silicone Acrylic 56940 is a heat resistant acrylic modified polysiloxane paint. It is air drying at ambient temperature.
	<i>Hempel's Silicone Aluminium 56913</i>	Hempel's Silicone Aluminium 56913 is a heat resistant aluminium pigmented polysiloxane paint which cures to a hard film at ambient conditions.
<i>Topcoats</i>	<i>Hempathane 55210</i>	Hempathane Topcoat 55210 is a glossy polyurethane topcoat that is cured with aliphatic isocyanate and delivers good gloss and colour retention. <b>51 ± 2% Volume solids.</b>
	<i>Hempathane HS 55610</i>	Hempathane HS 55610 is a glossy polyurethane topcoat, cured with aliphatic isocyanate. The product has good gloss and colour retention and contains zinc phosphate. <b>58 ± 2% Volume solids.</b>

# INDUSTRIAL, OFFSHORE & MARINE COATINGS





COATING TYPE	PRODUCT	DESCRIPTION
<i>Topcoats</i>	<i>Hempalin Enamel 52140</i>	Hempalin Enamel 52140 is a glossy, general purpose, alkyd topcoat forming a weather resistant coating. The product is flexible and resistant to salt water and spillage of mineral oil and other aliphatic hydrocarbons.
	<i>Hempaxane</i>	Hempaxane Light 55030 is a two-component, high-solids, glossy, polysiloxane enamel with excellent gloss and colour retention. Its recommended use is as an isocyanate free glossy decorative and protective finishing coat for structures in severely corrosive atmospheric environment.
<i>Linings</i>	<i>Hempadur 85671</i>	Hempadur 85671 is an amine adduct cured, phenolic epoxy (novolac) coating with very good adhesion and excellent chemical and high temperature resistance.
	<i>Hempaline Defend 630</i>	Hempaline Defend 630 is a solvent free high-performance epoxy novolac lining with excellent chemical resistance to a wide range of chemicals and solvents. Hempaline Defend 630 may be applied as a one or two coat scheme, and as part of a hand lay or spray applied glass fibre reinforced system. Hempaline Defend 630 is available in a standard grade (Cure 72) and in a fast-return-to-service grade (Cure 24). Both offer the same high performance.
<i>Thinner</i>	<i>08450</i>	Can be used to reduce the coating's viscosity for spray application of Epoxies and Linings.
	<i>08080</i>	Can be used to reduce the coating's viscosity for spray application of Enamels and Polyurethane topcoats.
<i>Degreaser</i>	<i>Hempel's Light Clean 99350</i>	Hempel's Light Clean 99350 is a solvent-free concentrated alkaline cleaner based on emulsifiers, surface-active agents and water.
<i>Fireproofing</i>	<i>Hempafire XTR 100</i>	Hempafire XTR 100 is used in downstream oil & gas installations to protect people and assets against hydrocarbon pool fires. UL 1709-certified to deliver up to 4 hours fire protection at low dry film thicknesses, it improves safety and reduces your overall project costs.
<i>Antifouling</i>	<i>Globic 9000 78900</i>	Hempel's Antifouling Globic 9000 78900 is a premium, high solids product that offers leading low friction properties, self-smoothing and very fine control of polishing for optimal performance due to the efficient biocide package. The use of microfiber technology increases the mechanical strength to avoid cracking and peeling and reduces maintenance costs during repair.



# HIGH TEMPERATURE COATINGS



Since 1917, Dampney Company, Inc. has designed, developed, manufactured, and distributed engineered coating systems for specialized applications. Dampney serves the refining, petro chemical, chemical processing, oil & gas, pipeline, power, OEM, and materials processing markets.

COATING TYPE	PRODUCT	DESCRIPTION
<p><i>High Heat Polysiloxane</i></p> 	<i>Thormalox</i>	Thormalox series coatings are single component heat resistant coatings based on modified silicone resins and thermally stable pigments. They are formulated specifically to protect metal surfaces operating to 350°F (177°C) to 1000°F (538°C).
<p><i>Bitumen Lining</i></p> 	<i>Apexior</i>	Coating for boilers and sea water cooling vessels ranging from -40°C to 371°C.

## SPECIALITY SYSTEMS



# SAUEREISEN

Sauereisen is a global leader in corrosion-resistant lining materials and high-temperature cements. They specialize in providing innovative solutions for industries such as wastewater treatment, power generation, and chemical processing, ensuring the longevity and durability of critical infrastructure worldwide.

COATING TYPE	PRODUCT	DESCRIPTION
<i>Lining Grade Epoxy</i>	<i>ConoGlaze</i>	ConoGlaze is a chemically-resistant, 100% solids, epoxy coating system. It is used as a topcoat for Sauereisen ConoCrete or FibreCrete systems or as a coating to protect concrete and steel from chemical attack.
<i>Lining Grade Epoxy</i>	<i>FibreCrete</i>	FibreCrete is a two-component, fiber-reinforced, epoxy lining system that is used to protect concrete/steel tanks, ducts, scrubbers and other immersion environments from chemical attack and abrasion. FibreCrete is specifically formulated for immersion service for tanks and scrubbers in the chemical, power, and municipal industries.
<i>Epoxy Polymers</i>	<i>Sauereisen Epoxy NovolaK Polymer Concrete</i>	Sauereisen Epoxy NovolaK Polymer Concrete is a castable for the chemical-resistant construction of sumps, dikes, containment areas, trenches, walls, floors, and structural support columns or bases. It has been specifically formulated for foundation construction and should be installed with proper reinforcement. Epoxy NovolaK Polymer Concrete can also be used as a monolithic topping to rehabilitate chemically deteriorated concrete or to protect new construction. This system incorporates Sauereisen ConoWeld 501 primer to promote a strong bond.





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