

Corrosion Control Services

Corrosion Control Services offer total Corrosion control solutions for yachts



Specialist anti-corrosion expertise

Steel, the principal construction material of ships, is destroyed by corrosion. Gradually but inevitably, corrosion attacks the tanks, void spaces and bulkheads, the electrical systems and operational equipment, the hull and superstructure.

In the long-term, it is more costly to ignore than to combat corrosion. And yet the corrosion process can be significantly contained and controlled. By combining proven anti-corrosion technologies with systematic, coordinated management, **Corrosion Control Services** provides professional expertise in corrosion control to protect shipping investments throughout the Yachting market

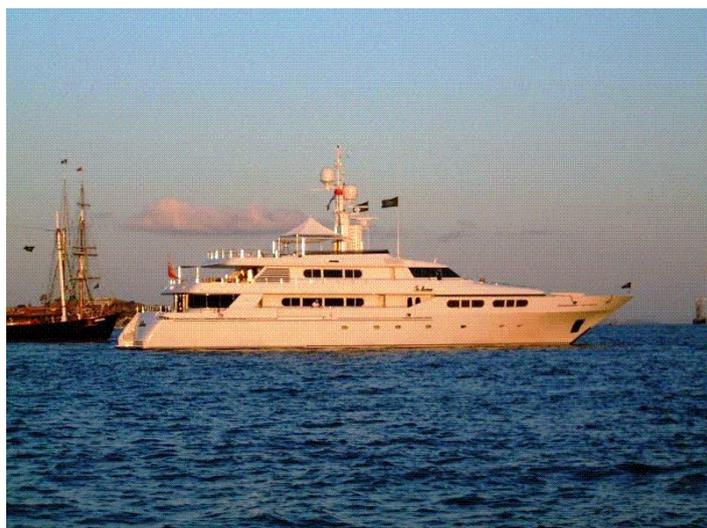
Unique technologies

We are committed to developing effective technologies and services to combat the problem of marine corrosion.

Corroless Rust Stabilisers contain an active anti-corrosion pigment which stabilises firmly adherent rust, creating an inert layer of magnetite and eliminating virtually all sub-film corrosion.

Corroless Reinforced Finishes use a patented technique of self-leaving glass flakes to form a protective barrier against chemicals, abrasion and aggressive environments.

And Corroless Corrosion Inhibitors can be incorporated into a wide range of media to reach and control inaccessible areas of corrosion damage.



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Project management

Corrosion Control Services provide a complete project management service to clients, ensuring effective co-ordination throughout the consultation and implementation process.

Following our initial briefing, a **Corrosion Control Services** inspector will conduct an onboard inspection to clearly identify those areas where corrosion is, or is likely to become, established.

The results of the investigation will be closely analysed and a comprehensive proposal developed to solve the problem in a practical and cost-efficient manner.



A complete anti-corrosion system can then be implemented to rectify, control and prevent corrosion. **Corrosion Control Services** specialist knowledge and materials have been proven both in the laboratory and in practical applications.

Single source responsibility

Corrosion Control Services provides a total solution to the problem of corrosion. The Yacht owner, the management company, superintendents Captains and engineers—are all freed from managing corrosion related problems to concentrate on vessel operations. Single source responsibility ensures that **Corrosion Control Services** take total responsibility for controlling and containing all aspects of the corrosion problem over the lifetime of your vessel.



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Unique anti-corrosion technologies

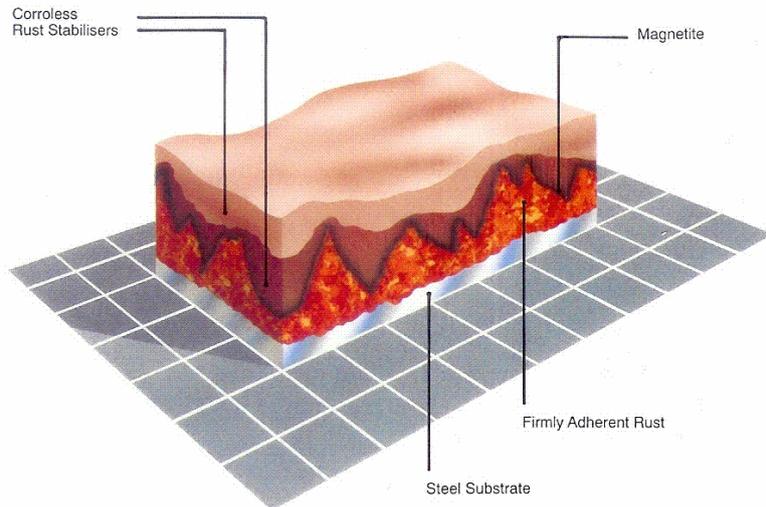
The key to solving the problem of marine corrosion is to combine specialist, proven materials with effective methods of preparation and application, and to provide a coordinated management process to oversee the whole operation.



To this end, **Corrosion Control Services** have combined a series of unique technologies, designed specifically to counter the effects of corrosion within the marine environment.

Corroless Rust Stabilisers, Reinforced Finishes and Corrosion Inhibitors are utilised together to provide a comprehensive system for complete corrosion control.

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Rust stabilisers

Corroless Rust Stabilisers dramatically reduce the need for expensive surface preparation.

Combining advanced anti-corrosion technology with over 40 years practical experience, Corroless Rust Stabilisers are specially-formulated to penetrate pitted and corroded substrates.

They contain an active anti-corrosion pigment which stabilises rust by an electro-chemical reaction, into the inert oxide of iron, magnetite. This stabilisation process results in a durable, chemically resistant layer which forms an integral part of the metal substrate, thereby eliminating virtually all sub-film corrosion.

Because of their special formulation, Corroless Rust Stabilisers are easy to use, requiring minimal surface preparation beforehand.

Methods such as scraping, wire brushing and needle gunning are used to remove loose or flaking rust deposits and then Corroless Rust Stabilisers are applied directly to the surface for efficient and total protection.



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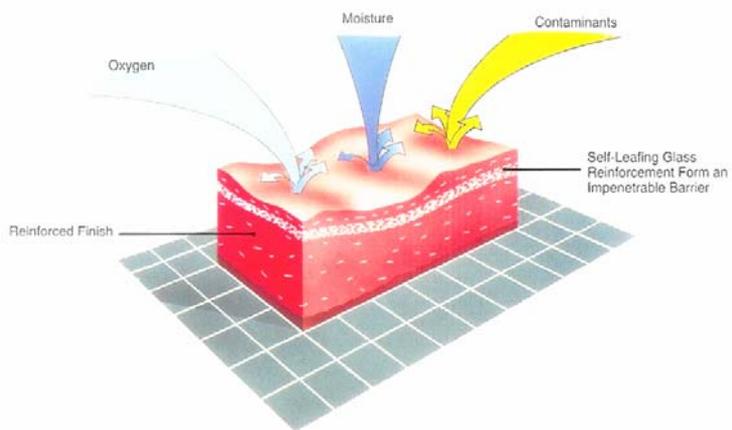
Reinforced finishes

Corroless Reinforced Finishes are used in conjunction with Corroless Rust Stabilisers to provide a tough, durable finish that protects the steel substrate against chemical and abrasive damage.

Corroless Reinforced Finishes contain millions of hardened borosilicate glassflakes which self-leaf and laminate upon application to form a continuous barrier to the hostile marine environment.

In tests to ASTM (D-1653-72) the standard test for moisture permeability, Corroless Reinforced Finishes have been shown to be significantly less permeable to water vapour when

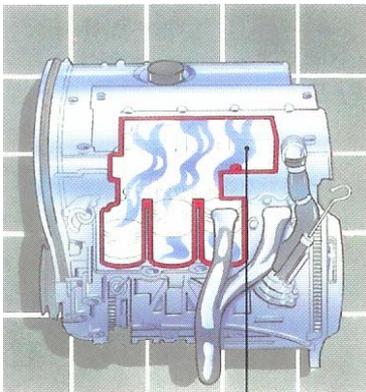
compared to conventional coatings. And Corroless Reinforced Finishes have successfully passed long term weathering tests to ASTM (B117-64) and BS3900.



Corrosion Inhibitors

Corroless Corrosion Inhibitors vaporise and migrate to metal surfaces to form a monomolecular film which excludes oxygen and moisture from the metal substrate. This interrupts the corrosion cycle to form a protective barrier between the substrate and the environment.

Suited to a range of complex corrosion problems, this unique technology can be incorporated into a wide variety of media, including powder, oils grease, wax and foam bases, to reach inaccessible areas of corrosion damage.



CC1 300
Oil Additive Protects
Interior Surfaces



Please contact us to arrange a **Corrosion Control Services** inspection where we will endeavour to identify your corrosion problems and provide you with cost effective solutions.

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Surveying the problem, a team effort

Every project presents unique problems. To find the unique solution, our approach is to work as a team.

The initial meeting is the first step towards developing a clear strategy to effectively combat corrosion. Together, we will identify the problems. In broad terms, taking into consideration such factors as the age and condition of the vessel, the type of substrate, the anticipated life expectancy of the vessel or equipment in question and any other factors which will influence the proposed solution.



A **C**orrosion **C**ontrol **S**ervices inspector will then conduct an onboard survey to identify in detail the extent of the corrosion damage.



A proposal tailored to your situation

In close consultation, we will analyse the results of the survey and develop a comprehensive proposal.

This will be a practical plan of action, appropriate to your specific needs that can be supported by detailed research and analysis.

Working flexibly within the agreed budget, we will set out a schedule for completion, outline the materials to be used, the method and degree of preparation and application,

and the controls to be implemented by the project management team.

We will discuss, refine and finalise our proposal, which can then be implemented within the constraints of your vessels operations and your needs.



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Successful solutions from a range of proven systems

Corrosion Control Services have combined a series of unique technologies, designed specifically to counter the effects of corrosion within the marine environment.

Corroless Rust Stabilisers, Reinforced Finishes and Corrosion Inhibitors have been rigorously tested, both in the laboratory and at sea. And utilised together, they provide the successful solution to a range of complex corrosion problems.



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