corroless®
CORROSION CONTROL

setting the standard

worldwide corrosion protection

"...perhaps the world's finest coatings for rusty steel"

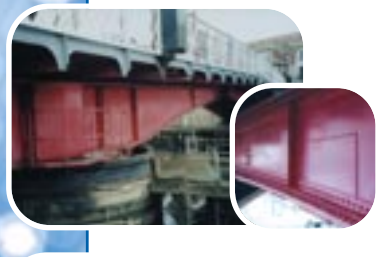
- RUST STABILISING PRIMERS
- GLASS REINFORCED COATINGS
- VAPOUR CORROSION INHIBITORS (VCI's)
- SPECIALIST APPROVED COATINGS (MOD, NETWORK RAIL, WRC)
- PRESERVATION COATINGS

Corroless®– the proof

Many companies make impressive claims for their products – but at Corroless, we can PROVE it!

Our confidence is based on 4 factors:

- Independent laboratory testing shows that Corroless systems perform – for example, our Network Rail Certificate shows a Minimum Expected Service Life of 25 years, when tested over a rusty steel substrate.
- Our successful track record extends back over 40 years;
- Corroless enjoys a very high level of repeat business – once an engineer has seen our products perform to their own satisfaction, nothing but Corroless will do!
- A brief sample of projects from our Track Record is given below, as examples that **Corroless systems give excellent performance:**



11 years – coastal location

The previous coating system was breaking down and complete recoating was carried out after 7 years. A Corroless system was applied over a hand prepared (St2) surface – the photo shows the very good condition after 11 years. The system is expected to give **15 years** before major repainting is necessary.

10 years – inland waterway

A Corroless system was applied to this bridge over a hand-prepared (St2) surface, and was found to be in excellent condition after 10 years (photo). The system is expected to give **15 to 18 years** before major maintenance painting.

5 years – Offshore facility preservation

Many areas on the Shell Gannet platform were protected for up to 5 years using Corroless VCI (vapour corrosion inhibitor) products. During a final inspection in Spring 2002, engineers were "…very pleased…" with the excellent level of corrosion protection.

Corroless® stabilisation technology

the paint industry's "best kept secret"

'The Corroless Effect'

Rust tends to rapidly breed more rust. However, Corroless Rust Stabilising Primers contain special pigmentation and independent laboratory testing has shown that the tightly bonded rust layer beneath a Corroless primer becomes modified, to form a dark brown to black layer, in contrast to the red-orange colour of ordinary rust. The unique Corroless pigmentation does not contain lead, acid or tannin. For over 40 years, 'The Corroless Effect' has given proven, real-world results.

Corroless® – protecting *your* investment

Bridges

Difficult and costly to maintain, bridges require durable, long life systems. Blast cleaning is often impossible due to access, cost or environmental reasons. Corroless systems give long-term performance over hand-prepared, rusty steelwork, even over rivers or in coastal locations.

Water Industry

Corroless DWI and WRc approved potable water coatings have an excellent track record on reservoirs, sewerage treatment plants, pipe bridges etc. Corroless systems also have a 10 year proven performance over rusty steel on potable water tank interiors.

Industrial Maintenance

Steelwork, vessels, plant and equipment of all types need to be protected from corrosion, often without blast cleaning. Corroless coatings provide the peace of mind of using highly effective anticorrosive systems, with primers free from lead and chromate-based pigments.

Marine

In the engine room, ballast spaces, inside and outside specialised equipment and tanks, as well as out on deck, the battle against corrosion onboard ship is constant – usually with hand preparation the only option. Corroless systems have been used for many years throughout the marine industry for optimum corrosion protection.

Offshore

Offshore structures are constantly exposed to an aggressively corrosive environment. Corroless coatings provide excellent protection for routine maintenance painting, while Corroless Vapour Corrosion Inhibitors (VCI's) have an excellent track record for the protection of a wide range of electrical and mechanical equipment, pipework and vessel internals, and more.

Equipment Preservation

Corroless coatings and VCI corrosion inhibitors have been used world-wide for the preservation of equipment during transport or 'moth-balling', including jet fighter aircraft, marine engines and a myriad of types of mechanical and electrical equipment.

Utilities

Most Power generation, electricity distribution, gas industry equipment, telecommunication structures and equipment all share a similar problem – corrosion, frequently in areas which cannot be blast cleaned. Corroless systems provide optimum protection over minimum preparation standards.

Bunds

Corroless products are used for protecting the internal and external surfaces of many types of tanks, silos and bunds providing long term protection before major maintenance and low maintenance costs. Solvent free tank linings provide a safer working environment for operatives.

Corroless® – a total service

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Corroless® – the choice of professionals

Major Cost Savings

Because Corroless systems last longer than conventional coatings, savings over the coating lifetime can be considerable. Less frequent painting also means less disruption, less administrative time and cost, and less environmental impact.

Complete Project Support

Experienced Corroless personnel can assist you from initial inspection and assessment, through preparing a full project specification, to inspection of work in progress and project completion.

Environmentally Friendly

Corroless rust stabilising technology does not include any lead or chromate based pigments. Many Corroless products are solvent-less or solvent-free, minimising environmental impact and complying with stringent VOC regulations.

Approved Products

Corroless products hold approvals to standards set by authorities including: Drinking Water Inspectorate; Water Fittings & Materials Directory; Network Rail; Ministry of Defence. Product approvals include: NATO, MIL & DEF STAN, RT98, BS 476 Surface Spread of Flame and BS 4247 Ease of Decontamination.

Reinforced Finishes

A range of Corroless primers and finishes incorporate highly specialised, self-laminating glass flake technology. The glass flakes overlap within the paint film to resist the ingress of damaging corrosive agents and increase the anticorrosive protection of the system.

Future Coatings

While Corroless is proud of its 40 year protection record, new products to meet new specifications and standards are regularly required. Corroless is constantly working on new materials to meet tomorrow's needs.

Prestige Packaging

All Corroless two component materials are packaged in boxed units, which contain strengtheners to resist collapse on stacking. This ensures that the correct bases and activators are delivered in exact, ready-to-mix proportions, minimising the possibility of mixing errors on site.







Contact Us

Contact your local Regional Office:

Head Office
Tel: +44 (0)121 524 2235
Fax: +44 (0)121 553 2787
Email: contact@corroless.com
Web: www.corroless.com

CORROLESS Corrosion Control
Worldwide Headquarters,
Kelvin Way,
West Bromwich,
West Midlands B70.7JZ,
UNITED KINGDOM

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