

Maintenance and Repair

Coating products and services
for cost effective asset management



Meeting the needs of the Maintenance Engineer

International® - global supply, local service

Our business is built around yours. With our global supply chain and technical service network, your asset will remain protected wherever you are, whatever the environment.



Why protect your asset?

Whatever the substrate - steel or concrete - your asset is subject to corrosion. Steel is at risk from the corrosive environment in which it is situated or from the various micro-environments caused by the operation of your plant. Concrete is no different, it can absorb water, chlorides and other chemicals created by processes which, in time, will affect its integrity. Coating systems protect your asset and, when coupled with a comprehensive maintenance schedule, help ensure a reliable performance at an optimal level with minimal downtime.



A coating system is only as good as the surface it's applied to

Many areas of a production facility operate continuously with limited shutdown maintenance periods meaning routine maintenance has to be carried out alongside live operational plant.

Gritblasted surfaces are not always practical and other methods of surface preparation, ranging from a simple hand-chip, scrape or wire brush method to power tool cleaning or even water jetting are preferred. Similarly spray application is not always possible or cost-effective when adding the cost of specialist containment therefore application by brush, roller and trowel must also be considered.

We have a range of coatings and linings suitable for application over all standards of surface preparation using various application methods.

Our product offer



A risk based inspection program carried out by our specialist team of surveyors, which provides a documented and site specific condition survey, designed to provide the maintenance engineer with all the information required to understand:

What needs to be repaired?

Condition survey and specific surface area

How to repair it?

Customized surface preparation and coating repair specification systems for differing situations and locations

In which order?

A detailed year on year prioritized maintenance schedule

What is it going to cost?

As you will know the maintenance priorities for each year, you can then plan and budget correctly using our **Interplan™** document as part of the process.

Types of Interplan™ surveys available:

- Corrosion
- Fire protection
- Concrete and secondary containment
- Planned maintenance from new construction
- Coating aesthetics

Concrete protection

Concrete is used extensively in a variety of industries including oil, gas and chemical processing, mining, water and wastewater, power generation and infrastructure. It has its own unique mode of failure - cracking and spalling, chemical attack (carbonation) and wear, all of which can lead to corrosion of the rebar and reduced structural integrity.

We have a wide range of coatings to cover all your concrete protection needs including:

- **Ceilmote®** novolac vinyl esters, novolac epoxies and vinyl esters for protection against aggressive chemicals and crack bridging
- **Polibrid®** solvent free elastomeric urethane for excellent abrasion resistance
- **Intercrete™** cementitious materials for repair and remediation



Linings



Providing resistance to aggressive chemicals or high service temperatures we have a range of linings to suit your needs.

Our **Interline®** range of epoxy and epoxy phenolic linings can be used for:

- Tank bottom refurbishment when used with glass fibre laminate systems
- Potable water
- Crude oil and hydrocarbon cargoes

Our **Enviroline®** range of polycylamine cured epoxy novolacs deliver:

- Fast return to service
- High temperature cargo protection
- Single coat application
- Low temperature cure
- Outstanding abrasion tolerance

The **Ceilmote®** brand uses vinyl ester, novolac epoxy and novolac vinyl ester chemistry to offer:

- Protection against aggressive chemicals such as sulphuric and hydrofluoric acids
- Reinforced systems

Technical support

As much as 95% of all coatings failures are a result of poor surface preparation and application. Good surface preparation and correct application are essential to achieve long term cost effective coating systems.

We can provide:

- Interplan daily reports makes inspection easier
- NACE or FROSIO qualified technical service representatives for round the clock technical support
- Customized coating application training for contractors
- Coating schemes to meet local regulations
- Product supply flexibility



Structural steel, splash zone and tidal zone areas

Production processes create micro-climates within a facility, such as wet/dry areas and vapour affected zones, which can cause premature failure of a coating system.

We have a range of products suitable for all conditions ranging from surface tolerant and chemical resistant epoxy primers to a range of durable finishes.

Our **Interplus** products are surface tolerant, temperature resistant to 150°C (302°F) and can be applied over hand tool prepared steel.

Interseal 670HS allows low temperature cure (-5°C [23°F]), can be applied to hand tool prepared areas and a range of aged coatings, is suitable for immersion and for use in drinking water tanks.

Our finishes offer covers durable polyurethanes like **Interthane 990** and the user-friendly single pack polysiloxane **Interfine 1080** which delivers excellent gloss and color retention.

We also offer one of the world's leading all round abrasion resistant maintenance coatings **Interzone 954**.

The modified epoxy technology of **Interzone 954** provides:

- Excellent abrasion resistance
- High build in a single coat
- Wide surface tolerance
- Early water resistance
- Resistance to a wide range of chemicals

These properties make **Interzone 954** ideal for a range of applications including:

- Pitted structural steel
- Splash zone and tidal zone areas
- Light duty and heavy duty decks
- Slurry tanks in the mining industry



Passive fire protection



Whether the fire risk is cellulosic or hydrocarbon, we have a solution to meet your requirements.

Our **Chartek** epoxy intumescent products offer:

- Hydrocarbon pool and jet fire protection
- 100% volume solids
- Easy installation
- Long term protection against corrosion under fire-proofing (CUF)
- Low installed weight
- Excellent mechanical integrity

Our **Interchar** acrylic and epoxy intumescent products offer:

- Cellulosic fire protection
- Excellent aesthetics
- Competitive loadings
- Excellent external durability
- Enhanced mechanical properties
- Water and solvent-borne technologies

Temperature resistant coatings

Temperature resistance and protection against corrosion under insulation (CUI) are major requirements for industrial facilities.

Our **Intertherm** range of high heat products (**Intertherm 228**, **Intertherm 751CSA** and **Intertherm 50**) provide the following benefits:

- Temperature resistance to 540°C (750°F)
- Excellent CUI protection
- Temperature cycling resistance
- Thermal shock resistance
- Application to hot steel up to 120°C (248°F)
- Single coat application



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