

Mining Solutions

International protective coatings



Durable protection for global mining, backed by local expertise

The mining industry provides the essential raw materials for the critical industries that we rely on daily, such as, construction, manufacturing, energy, and technology, supporting economic growth, advancing technology, and developing infrastructure.

The mining industry forms the bedrock of modern civilization. From the steel that erects towering skyscrapers to the precious metals powering cutting-edge electronics, the mining sector plays a pivotal role in driving economic growth, advancing technological innovations, and shaping the infrastructure that connects our world. However, this vital industry faces formidable challenges, from harsh environmental conditions to stringent safety regulations and the ever-present threat of asset degradation.

From extreme temperatures and abrasive particles to corrosive chemicals and heavy impacts, mining equipment and infrastructure endure punishing forces daily.

International® protective coatings has dedicated teams of experts who specialize in developing high-performance protective coatings tailored to the mining sector. Delivers innovative solutions that are engineered to safeguard your assets from the toughest challenges, maximizing uptime and extending service life.

Through revolutionary protective coatings, proactive maintenance programs, and continuous support, International® strives to enhance operational efficiency, maintain safety standards, and minimize environmental impact in mining operations worldwide. With **International®**, mining assets are fortified against corrosion, enabling uninterrupted productivity and sustainable resource extraction.

Fortifying mines, protecting futures: Shielding your assets, securing your success

International® protective coatings brings expertise and innovation to safeguard your assets against corrosion, abrasion, and the challenges of operating a mining facility. With advanced coatings providing lasting protection, ensuring equipment reliability and operational continuity even in extreme conditions. Trust International® protective coatings to shield your investments, securing the future of your mining endeavors with confidence.

Applying International® in the mining industry yields evident advantages, offering:

- Coating protection designed to withstand elevated temperatures, extending the lifespan of mining equipment.
- Protection from harsh chemicals and abrasion to reduce maintenance and replacement costs.
- Maintain structural integrity, minimizing the risk of accidents or injuries.
- Increase reliability and efficiency with reduced downtime.

High temperature solutions for the mining industry

The mining industry faces significant challenges when operating in high-temperature environments, where equipment protection and maintenance become paramount concerns. These harsh conditions not only accelerate the wear and tear on machinery but also pose a significant threat to the longevity and performance of critical components.

Corrosion under insulation (CUI) poses a significant threat in the industry, where equipment faces harsh conditions. Moisture, temperature changes, and corrosive substances accelerate degradation beneath insulation on pipes and vessels. Undetected, CUI rapidly compromises structural integrity, leading to shutdowns, costly repairs, environmental risks, and reduced operational efficiency.

International® protective coatings high temperature solutions delivers increased performance, improved productivity, and reduced costs for high-temperature maintenance.



Interbond 1202UPC

-196°C to 650°C
(-321°F to 1202°F)

One coating system for the most extreme temperatures

Interbond 2340UPC

-196°C to 230°C
(-321°F to 446°F)

Reduce risk of early failure and maximize productivity vs traditional solutions

Intertherm 751CSA

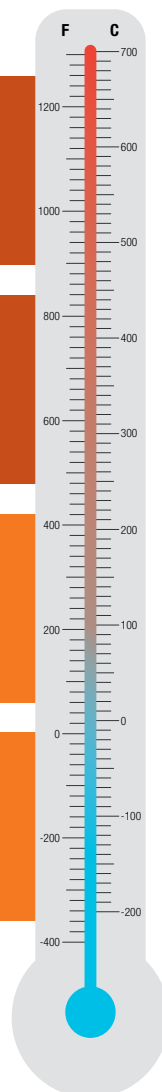
-196°C to 650°C
(-321°F to 1202°F)

Renowned **Cold Spray Aluminium** technology with excellent CUI and thermal cyclic resistance

Intertherm 2205

up to 230°C
(446°F)

No need for shutdowns - application directly to high temperature online equipment



Interbond 1202UPC – An innovative solution that resists cyclic temperatures up to an impressive 650°C. It combines a durable lining and efficient top-coat simplifies coating complexity, increases productivity with shorter overcoating intervals enabling two coats in a day.

Interbond 2340UPC - With robust chemical and abrasion protection extends equipment lifespan. Easy to apply and quick drying. This reduces the need for remedial work, minimizing overall application costs whilst maximizing productivity.

Intertherm 751CSA – Presents a high-performance temperature resistant “Cold Spray Aluminum” coating that offers superior CUI/corrosion protection for extreme operating temperatures.

Intertherm 2205 – Delivers a specialty maintenance coating designed for hot steel application, novel **heat spread epoxy** technology, enabling on-site repairs without shutdowns.

The lineup of International lining products is celebrated globally for its unmatched excellence and consistent dependability

With a rich history and extensive experience, International® protective coatings world-renowned linings product range, including **Enviroline®**, **Ceilmote®**, **Polibrid**, and **Interline®**, offers a comprehensive portfolio of market-leading, sustainable solutions for steel and concrete, primary and secondary containment structures. International® linings deliver unparalleled durability and performance. Backed by rigorous internal and external third-party lab performance testing, these cutting-edge linings are designed to meet the rigorous demands of the mining industry, providing unmatched protection against harsh chemicals, high temperatures, abrasive cargos, and extreme operating conditions. Combining advanced performance with environmental responsibility and cost-effectiveness, International linings safeguard critical infrastructure, equipment, and facilities worldwide, delivering outstanding longevity and peace of mind.



Ceilmote

Premier choice for the mining industry, offering superior protection for steel, concrete, and equipment foundations. With a versatile range of resin formulations, Ceilmote delivers unparalleled chemical resistance and thermal stability.



Enviroline

Advanced coatings designed to provide superior protection for the unforgiving mining environments. Formulated to resist severe chemical exposure, high temperatures, and rapid return to service, making them ideal for use in the demanding mining industry.



Polibrid

A Urethane Elastomeric coating that delivers exceptional impact/abrasion resistance to shield critical assets from the relentless wear and tear, while its rapid setting properties minimize downtime for efficient application and swift return to productive operations.



Interline

Excellent chemical resistance lining with Epoxy Novolac and Epoxy Phenolic thin and thick film solutions including fiber glass reinforced coating technology. The range also includes NSF-approved linings, ensuring compliance with stringent industry standards.



Unmatched protection with robust anti-corrosive solutions for a demanding Industry

International® offers high-performance anti-corrosive systems are engineered for the harsh mining industry. With an extensive range encompassing ultra-durable formulations, these cutting-edge and rigorously tested coatings are designed to minimize maintenance requirements, extend service life, and ensure smooth and profitable mining operations.

The **Interzone® series** is a heavy-duty epoxy that offers exceptional durability and long-term protection against abrasion, chemicals, and immersion, making it ideal for extreme environments. It also offers glass flake solutions, further enhancing its durability and protection capabilities.

Offering superior gloss, color retention, and environmental resistance, the polysiloxane **Interfine® series** ensures that mining structures remain well-protected and visually appealing even under the rigors of mining operations.

The **Devoe series** offers chemical resistant coatings that provide innovative solutions. Serving the industry with chemical processing, tank applications, and high-temperature environments.

The **Interthane® series** offers a high-performance polyurethane finish with excellent UV resistance and long-lasting protection, ensuring the aesthetics of your assets.

With high-solids, low VOC solutions, the **Intergard series** ensures superior adhesion and corrosion resistance, crucial for the harsh, corrosive environments.

Extensive experience and lasting performance

AkzoNobel's International® protective coatings has been safeguarding industrial assets for over **four decades**. What distinguishes International® protective coatings is the capability to consistently provide products and technical support globally, regardless of location. We offer top-notch coating solutions backed by unmatched technical expertise from anywhere in the world. Our extensive global track record consistently validates our performance across numerous projects.



Globally proven record & expertise

You will find products from the International® range used in processing plants, smelters and refineries all over the world. With a global track record including anticorrosive coating applications within aluminum, copper, zinc, gold, coal, potash and many other installations.

From acid to alkali or abrasion and impact situations, International® can offer coating solutions for all conditions. The majority of mining and refining processes have their own micro-environments that can lead to unique corrosion challenges. Trust the extensive experience of the International® team of experts, on hand, to offer tailored advice and solutions.

- Smelters
- Piping
- Conveyors
- Mining equipment
- Carbon in-leaching tanks
- Energy transition minerals
- Crushing
- Washing plants
- Wharfs
- Ship loading facilities
- Flotation cells
- Thickener tanks
- Filtration equipment
- And more...

AkzoNobel's **International®** brand is one of the world's leading marine, yacht and protective coatings brands. A long-standing brand synonymous with innovation and collaboration, it is the preferred choice of industry leaders looking for excellence and expertise.

We deliver anticorrosive and fire protection, fouling control technologies and aesthetic solutions for on and offshore. Supported by high quality customer service and in-field support around the globe, our technologically advanced **International®** product range strives to satisfy our customers' needs now and in the future.

www.international-pc.com