



A WORLD OF PROTECTION

ARC ADVANCED REINFORCED COATINGS FOR METAL AND CONCRETE



ARC Advanced Reinforced Coatings

Using tomorrow's technology today



For over 125 years the A.W. Chesterton Company has been providing industrial customers products and solutions that positively impact productivity and performance.

Our focus is on helping you meet your plant's goals with respect to reliability, productivity, and regulatory compliance.

Lets us show you how we can positively impact these areas – and more – through the use of our ARC advanced reinforced coatings.

A WORLD OF

PROTECTION

Focusing on increasing our customer's success is at the core of our business

Chesterton® has been protecting critical structures and equipment with ARC advanced reinforced coatings technology for over 25 years. ARC composite materials are scientifically engineered to protect metal and concrete from the damage and costly problems associated with abrasion, erosion, corrosion, chemical attack, and atmospheric corrosion.



By educating ourselves on your needs and critical success factors, we can provide you with the best solution by using:

- Site analysis
- Product test validation
- Proposal development
- Application implementation
- Project documentation
- Review



ABRASION AND EROSION SOLU

Abrasion and erosion can wear away at your plant's bottom line



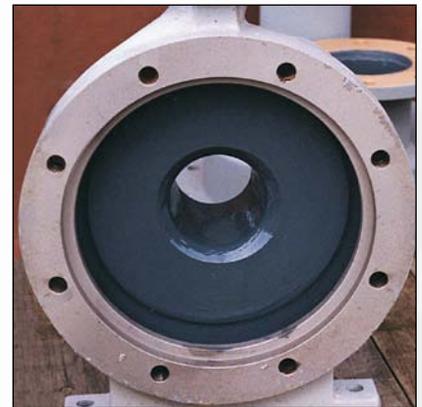
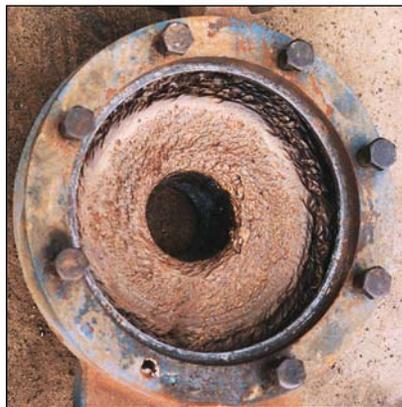
Our line of high-build resurfacing and thin-film coatings are based on 100% solids epoxy and urethane chemistry reinforced with ceramic particles for resistance to erosive and abrasive conditions.

Limit the impact of abrasive wear on your equipment by upgrading surfaces to include ARC advanced reinforced composites.

- Rebuild worn equipment, reducing spare parts consumption
- Extend MTBR on new as well as in-service equipment
- Increase operational efficiency
- Reduce life cycle costs over time
- Maintain asset value

Wear-resistant alloy components are difficult and costly to repair.

ARC advanced reinforced composite coatings can increase equipment MTBR and operational reliability at a fraction of replacement costs and can be easily repaired.



TIONS

Ceramic tiles are prone to impact failure, which induces adjacent tile delamination.

Monolithic ARC advanced reinforced composite coatings combine the wear resistance of ceramic tile with the ductile properties of polymers, providing increased reliability and wear resistance.



Rubber linings are typically undermined by glue failure at the seams, which can lead to catastrophic sheet delamination.

ARC advanced reinforced composite coatings are applied in a seamless film and offer the ductility of polymeric materials coupled with the wear resistance of ceramics.

Weld overlay repairs can induce fatigue stress, increasing the risk of cracking, as well as accelerated corrosion.

ARC advanced reinforced composite coatings provide wear resistance and eliminate heat-related fatigue stress.



CHEMICAL AND CORROSION SO

Chemical attack and corrosion can permeate your plant's profitability

ARC advanced reinforced composite coatings are formulated to resist the process industries' most aggressive chemical attack and corrosion conditions. If your plant is challenged by high temperature condensing gases or immersion in aggressive chemicals, our extensive line of 100% solids, permeation-resistant linings will stand up to the test.

Reduce the damaging effects to your process equipment and structures from corrosion and chemical attack due to:

- High temperature, dry, and condensing corrosive gas exposures
- Differential coefficients of thermal expansion
- Thermal shock
- Mechanical stress



LUTIONS



Prevent corrosive chemical attack with coatings resistant to exposures associated with:

- Elevated temperature gradients resulting in high permeation forces
- Fluctuating pH levels due to acidic and caustic exposures
- Highly conductive electrolyte solutions
- Plasticizing solvents



A TOTAL SOLUTIONS APPROACH

We bring more to you than just our products

Chesterton believes the solution begins with understanding the problem and then offering a solution that encompasses the best available technology, coupled with the knowledge and service to ensure success.



Root Cause Evaluation and Analysis

Evaluation and analysis to understand the root cause of the problem to aid in product selection



Our Total



Expert On-site Support

NACE certified technical support available on site to make sure the projects are done to specification





Product Recommendations

Product testing and qualification to industry standards ensure that the right products are recommended



Solutions Approach



Application Capabilities

Installation by factory-qualified firms using approved equipment and procedures



GLOBAL SOLUTIONS, LOCAL SERVICE

Whether you are around the corner or around the world, we're there too



Our extensive global network of sales specialists are supported by local stocking distributors, in-field product managers, factory-based application engineering, and qualified applicators.

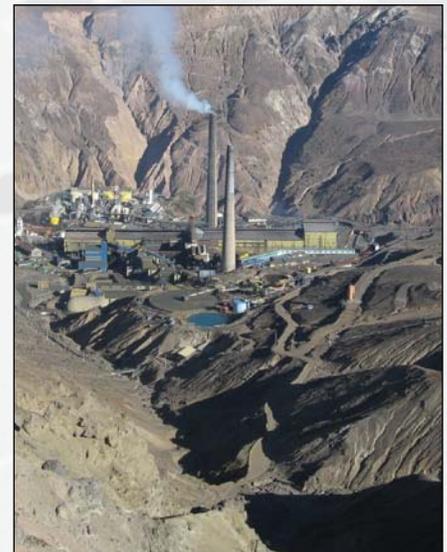
We can respond to your needs no matter the location, scope, or challenge of the application.



RVICE



- Water/wastewater
- Ore processing
- Power generation
- Mining



- Petroleum processing
- Bio-fuels
- Marine/off shore



- Chemical processing
- Pulp and paper
- Steel production
- Institutional



GLOBAL SOLUTIONS, LOCAL SERVICE

Since its founding in 1884, the A.W. Chesterton Company has successfully met the critical needs of its diverse customer base. Today, as always, customers count on Chesterton solutions to increase equipment reliability, optimize energy consumption, and provide local technical support and service wherever they are in the world.

Chesterton's global capabilities include:

- Servicing plants in over 100 countries
- Global manufacturing operations
- More than 500 Service Centers and Sales Offices worldwide
- Over 1200 trained local Service Specialists and Technicians

Visit our website at
www.chesterton.com

Chesterton ISO certificates available on www.chesterton.com/corporate/iso



Technical data reflects results of laboratory tests and is intended to indicate general characteristics only.

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