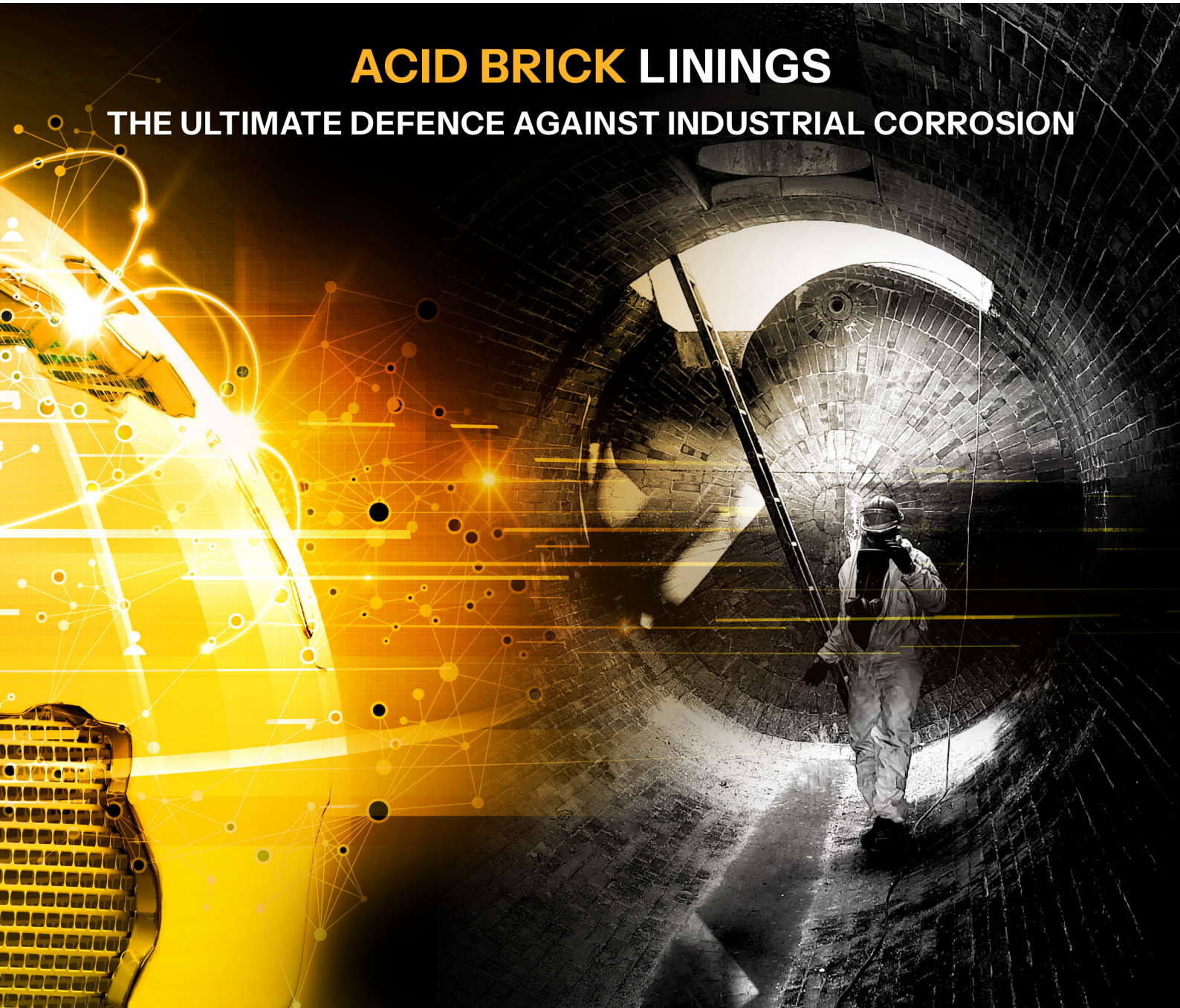


ACID BRICK LININGS

THE ULTIMATE DEFENCE AGAINST INDUSTRIAL CORROSION



LEADING THE WAY
IN ASSET INTEGRITY MANAGEMENT & INDUSTRIAL SOLUTIONS

www.dgc-africa.com

ACID BRICK LININGS



In industrial environments, corrosion is an omnipresent threat, capable of eroding infrastructure, weakening equipment, and driving up maintenance costs. Whether caused by exposure to caustic chemicals, extreme temperatures, or high-pressure conditions, corrosion can lead to catastrophic failure, threatening both productivity and safety.

DGC AFRICA's Acid Brick Lining solutions are engineered to provide unrivalled protection against these threats, ensuring that your operations remain secure, efficient, and profitable for years to come.



UNDERSTANDING **ACID BRICK LINING**

ACID BRICK LINING IS
**A SPECIALISED
TECHNIQUE**
THAT UTILISES
ACID-RESISTANT BRICKS & MORTARS
**TO FORM A DURABLE,
IMPERMEABLE BARRIER
THAT WITHSTANDS**
AGGRESSIVE CHEMICAL
& ENVIRONMENTAL
ATTACKS

It is widely recognised for its superior ability to protect infrastructure in the harshest conditions, particularly in industries where conventional methods fall short.





KEY FEATURES OF ACID BRICK LINING

HIGHLY DURABLE CONSTRUCTION

Acid Brick Lining solutions are designed to last for decades, reducing the need for frequent maintenance or replacement.

CHEMICAL RESISTANCE

Offers exceptional protection against acids, alkalis, and other aggressive chemicals commonly found in industrial environments.

THERMAL STABILITY

Provides reliable defence in high-temperature environments, where other protective coatings or methods degrade quickly.

CUSTOMISATION & VERSATILITY

Tailored to meet the specific needs of any facility, covering everything from industrial floors to complex structures like storage tanks and reactors.



THE DGC AFRICA DIFFERENCE

EXPERTISE THAT STANDS THE TEST OF TIME



DGC AFRICA BRINGS OVER
115 YEARS OF INDUSTRY
EXPERTISE,
OFFERING UNPARALLELED
SOLUTIONS
THAT GO BEYOND SIMPLE
PROTECTION TO ENSURE
THE LONG-TERM SAFETY
& **EFFICIENCY**
OF YOUR OPERATIONS



Our **Acid Brick Lining Solutions** are based on decades of research, development, and collaboration with leading material science laboratories.

OUR UNMATCHED EXPERTISE

EXPERIENCE

Backed by more than a century of knowledge, **DGC AFRICA** is a trusted name in industrial protection.

INNOVATION

We continuously evolve our technologies to address the growing complexities of industrial operations and corrosion threats.

COMMITMENT TO QUALITY

We adhere to the highest standards, rigorously testing materials and processes to ensure the most durable and effective results for our clients.



WHY CHOOSE ACID BRICK LINING?

LONG-TERM DURABILITY & COST SAVINGS

Acid Brick Lining offers superior longevity, often outlasting traditional protective methods by several decades. The cost of corrosion-related repairs and maintenance can quickly escalate in industrial environments. By choosing Acid Brick Lining, you not only extend the lifespan of your infrastructure but also reduce long-term operational costs.

MINIMISED MAINTENANCE

With fewer maintenance interventions needed, Acid Brick Lining significantly reduces operational disruptions and costs.

HIGHER ROI

Although the initial investment may be higher than traditional methods, the long-term savings in repairs, replacements, and downtime deliver a substantial return on investment.

EXCEPTIONAL CHEMICAL RESISTANCE

Industries such as chemical processing, mining, and power generation face constant exposure to highly corrosive substances. Acid Brick Lining is specifically designed to withstand these conditions, providing an impermeable shield that prevents chemical attacks from compromising your equipment.

SUPERIOR BARRIER

Acid Brick Lining offers unmatched protection against aggressive chemicals that would quickly degrade other materials.

EXTENDED LIFESPAN

By halting the effects of corrosion, you prolong the life of critical infrastructure, allowing for continuous, uninterrupted operations.

THERMAL STABILITY IN HIGH-TEMPERATURE ENVIRONMENTS

Facilities that operate at high temperatures, such as power plants and chemical factories, require solutions that can withstand thermal stress. Acid Brick Lining is engineered to perform under extreme heat, ensuring that your infrastructure remains protected even in the harshest operating conditions.

CONSISTENCY UNDER HEAT

Our linings maintain their protective qualities at elevated temperatures, unlike coatings that may degrade.

RESILIENCE

The combination of acid-resistant bricks and advanced mortars ensures that the barrier remains intact, even when exposed to fluctuating temperatures.

TAILORED SOLUTIONS FOR EVERY FACILITY

DGC AFRICA's Acid Brick Lining solutions are designed with the flexibility to suit a wide range of industrial applications. We offer comprehensive coverage for floors, tanks, reactors, cooling towers, and other key infrastructure, delivering customised protection where it is needed most.

CUSTOM ENGINEERING

No two facilities are the same. Our team assesses your unique operational needs to design a solution that fits your infrastructure perfectly.

ADAPTABILITY

Our solutions can be applied to different sizes, shapes, and types of equipment, making them ideal for complex industrial layouts.

INDUSTRIES WE SERVE

REVOLUTIONISING OPERATIONS WITH ACID BRICK LININGS



DGC AFRICA HAS A STRONG
**TRACK RECORD
OF PROVIDING ACID
BRICK LINING
SOLUTIONS**
TO A VARIETY OF INDUSTRIES,
EACH WITH ITS OWN SET OF
**UNIQUE CORROSION
CHALLENGES**



Our linings offer reliable protection across:



CHEMICAL PROCESSING PLANTS

Shields critical equipment from the constant exposure to harsh chemicals and acids, ensuring operational uptime and reducing the risk of hazardous leaks.

MINING & MINERAL PROCESSING

Provides a robust defence against chemicals used in ore processing, while protecting leaching tanks, storage areas, and other sensitive equipment.

POWER GENERATION FACILITIES

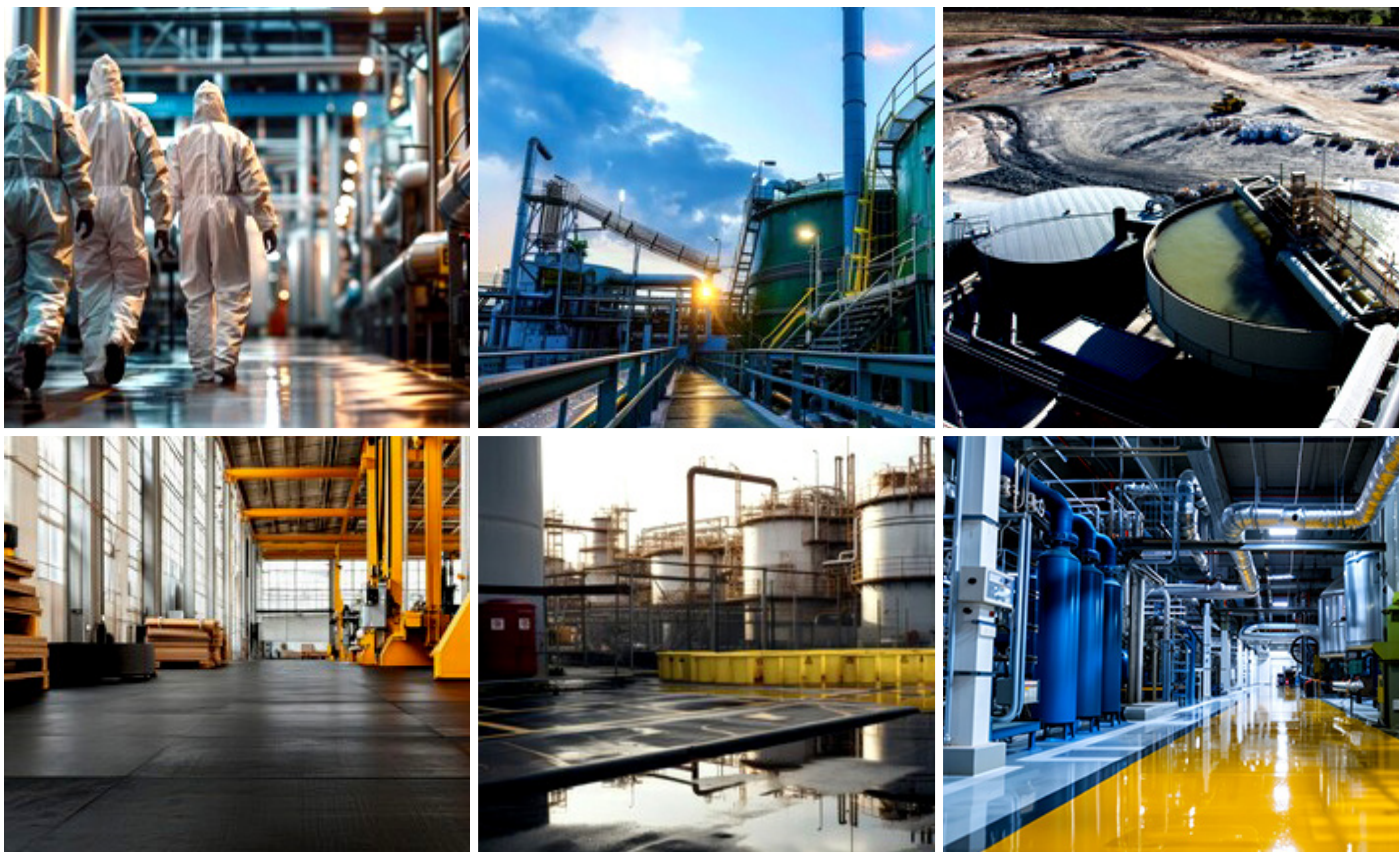
Ensures the integrity of cooling towers, waste treatment systems, and other infrastructure components exposed to corrosive substances.

STORAGE FACILITIES

Protects containment units from chemical spills, preventing contamination and ensuring compliance with safety standards.

INDUSTRIAL FLOORING

Durable, spill-resistant flooring solutions that can withstand heavy traffic, chemical exposure, and wear over time.



ACID BRICK LINING VS. TRADITIONAL

CORROSION PROTECTION METHODS

A comprehensive analysis of Acid Brick Linings compared to traditional methods such as coatings, galvanisation, and corrosion-resistant alloys:

ATTRIBUTE	ACID BRICK LINING	TRADITIONAL METHODS
Durability	Lasts decades with minimal maintenance	Shorter lifespan, frequent maintenance required
Chemical Resistance	Resists a wide range of aggressive chemicals	Limited resistance, especially against strong acids
Thermal Stability	Maintains integrity in high-temperature environments	Coatings often degrade under heat
Customisation	Tailored to fit any facility's needs	Less flexibility, applied uniformly
Cost Considerations	Higher upfront cost but significant long-term savings	Lower Initial cost but higher maintenance expenses

For a detailed comparison, download our report: [“Acid Brick Lining vs. Traditional Methods: A Comparative Analysis.”](#)



RECOGNISING WHEN

YOUR FACILITY NEEDS ACID BRICK LINING

Corrosion can present itself in various forms, and recognising the signs early on can save your facility from costly repairs and disruptions.

Here are five key indicators that suggest your facility could benefit from Acid Brick Lining:

FREQUENT MAINTENANCE

Ongoing repairs for corrosion-related damage signal that your current protection is failing.

EXPOSURE TO AGGRESSIVE CHEMICALS

If your operations involve highly corrosive substances, traditional protection methods may be inadequate.

HIGH-TEMPERATURE OPERATIONS

Facilities exposed to extreme heat often require more resilient solutions than coatings can provide.

VISIBLE CORROSION

Rust, pitting, and cracking indicate that corrosion is already taking its toll on your infrastructure.

REGULATORY COMPLIANCE CONCERNS

Difficulty meeting safety regulations or repeated inspection failures suggest a need for more robust corrosion protection.



For more details, download [“5 Signs Your Facility Needs Acid Brick Lining”](#).

COMPREHENSIVE CORROSION PROTECTION

BEST PRACTICES

Effective corrosion protection requires more than just installing the right solutions; it involves implementing best practices that can significantly extend the lifespan of your infrastructure.

DGC AFRICA's experts recommend:

CHOOSING THE RIGHT MATERIALS

Select corrosion-resistant materials such as stainless steel or specialised plastics for key equipment.

APPLYING PROTECTIVE COATINGS

In addition to Acid Brick Linings, coatings like epoxy or polyurethane can provide extra protection in certain environments.

CONTROLLING ENVIRONMENTAL FACTORS

Regulate humidity, temperature, and pollutants to minimise external corrosion factors.

REGULAR INSPECTIONS

Proactively identifying corrosion before it escalates can prevent extensive damage and maintain operational efficiency.



For a complete guide to corrosion protection, download [“The Ultimate Guide to Industrial Corrosion Protection”](#).

READY TO FORTIFY YOUR FACILITY **AGAINST CORROSION?**

**DGC AFRICA'S ACID BRICK
LINING SOLUTIONS**
PROVIDE UNMATCHED
PROTECTION, ENSURING
THAT YOUR FACILITY STAYS
OPERATIONAL & SAFE

By choosing DGC AFRICA, you are investing in the future of your industrial operations, securing long-term efficiency, safety, and profitability.



CONTACT US FOR A PERSONALISED CONSULTATION

Our experts will assess your facility's specific needs and design a custom Acid Brick Lining solution tailored to protect your most critical assets.

COMPREHENSIVE ASSESSMENT

Our team will evaluate your infrastructure to identify areas at risk of corrosion.

TAILORED SOLUTIONS

We provide custom-engineered linings to meet your facility's unique requirements.

PROACTIVE INVESTMENT

Protect your assets now to avoid costly repairs and operational downtime in the future.

Contact DGC AFRICA today to schedule a consultation and discover how we can safeguard your industrial assets.

DGC AFRICA: SHIELDING AFRICA'S INDUSTRIAL FUTURE, ONE BRICK AT A TIME.



CONTACT US to learn how DGC can help transform your operations and deliver sustainable competitive advantage.

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