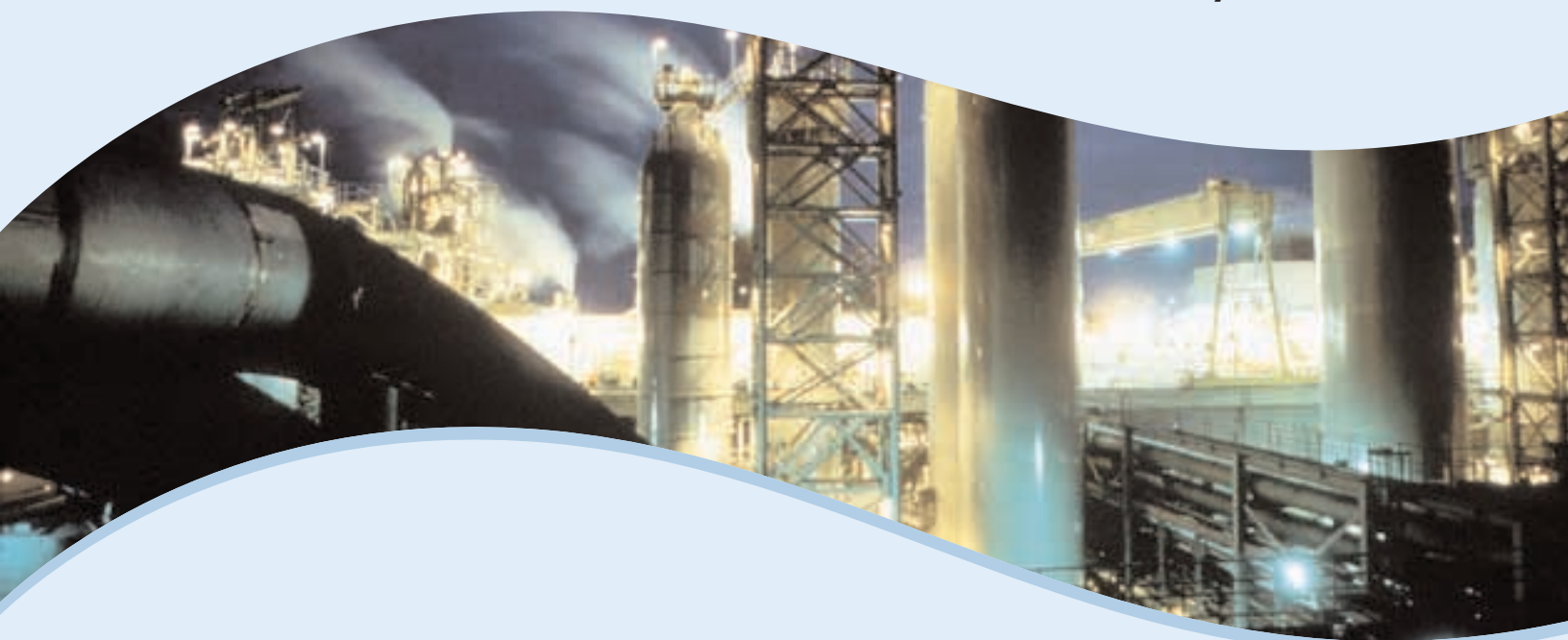




Protection for Chemical/Petrochemical Facilities



Engineered systems for immersion, flue gas, flooring and secondary containment.



SAUREISEN: EXPERTS IN CORROSION RESISTANCE

Sauereisen's roots run deep in the field of corrosion. We bring a century of experience in developing, manufacturing, and marketing corrosion protection and specialty materials. Our tradition of innovation, dating back to 1899, continues today.

Our mission is to deliver quality products and services that add value to the stakeholders of industrial infrastructure. In doing so, we serve facility owners, engineers and contractors relying on dependable solutions to corrosive environments.

GROWING WITH INDUSTRY

At Sauereisen, we're proud to offer a broad scope of material technology. Our **engineered systems** approach to each project distinguishes us. This approach has proven successful in diverse environments common to the power, wastewater and food & beverage industries. Basically, where there are aggressive conditions that threaten the longevity of concrete or steel infrastructure, there is at least one Sauereisen system to offer protection...and security.



Sauereisen protects plant-wide infrastructure.

Today, Sauereisen is positioned to be an inclusive supplier to the **Chemical** and **Petrochemical** industries. A Sauereisen specification is one that accounts for:

- substrate repair
- chemical exposure
- temperature considerations
- physical stress

Our solutions aren't limited to any single chemistry or method of application. This is the type of credibility that lasts generations.

CHEMICAL AND PETROCHEMICAL APPLICATIONS

Flue Gas – Stacks and ducts offer primary applications for Sauereisen materials. Exhaust gases containing chlorides, sulfates, and fluorides pose a direct threat to the walls of several structures including:

- Cracker stacks
- Ducts of process heaters
- Power boiler stacks and FGD systems



Fiber-reinforcement adds to the durability of Sauereisen linings.

Immersion – Few conditions are more chronically aggressive than tank-lining applications. Whether the substrate is concrete or steel, it is critical to properly address surface preparation, adhesion and permeability issues of a protective system. Sauereisen's engineered solutions have an excellent track record in maintaining:

- Sulfur pits
- Clarifiers
- Process tanks
- Chemical storage
- Effluent channels & water treatment



Sauereisen materials enable reliable secondary containment.

Secondary Containment & Flooring

Sauereisen materials enable the environmental compliance of foundational infrastructure. Impervious, non-leaching barriers prevent asset vulnerability beneath piping, pumps and elevated vessels.

SYSTEMS UTILIZING POLYMER TECHNOLOGY



Addition of an optional topcoat provides further defense against permeability.

Coatings, Linings & Castables – Sauereisen provides protective monolithic barriers of various thickness, chemistry and technology. Applied directly over concrete or steel, typically incorporating a primer to enhance bond, these epoxy and vinylester systems exhibit corrosion resistance to both acidic and oxidizing chemicals.

- **High-gloss coatings** for stand-alone use or as a topcoat
- **Fiber-reinforced linings** where flexural strength and durability are needed
- **Seamless flooring** fortified to withstand heavy traffic
- **Polymer concretes** for invulnerable longevity

Membrane/Monolithic Dual Linings – High temperature processes may require the combination of a thermally insulating inorganic working surface applied over an underlying membrane.

- **Chemical-resistant refractories**, typically applied by gunite
- **Castable silicates** for structural grade foundations
- **Sprayed membranes** composed of asphalt-modified urethane

Brick Systems –

Sauereisen mortars, grouts and setting beds supplement masonry construction for long-lasting floors, walls, and piers.



Refractories backed by a membrane are ideal for hot, acidic environments.



Brick and Sauereisen mortar provide longevity for this scrubber vessel within a sulfur recovery unit.

CREDIBILITY & CONFIDENCE

By providing engineered systems to our customers, Sauereisen offers a high standard of quality. Part of this commitment is to supplement our applications from start to finish with a broad range of primers, expansion joints, and concrete repair materials.

Consult Sauereisen for recommendations or specific assistance. Our network of representatives and distributors spans the globe.

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