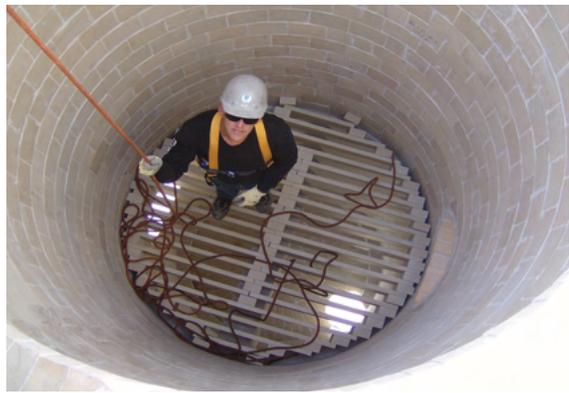


ACID PROOF BRICK

Solutions for Corrosive Applications



A leader in acid proof and corrosion solutions.



A Global Leader in the Chemical Process Industry

As a global leader in the chemical process industry, we offer clients a full service package that ranges from complex projects to simple reline installations all over the world. Our professional engineers, manufacturing and shop-line facilities, experienced project managers and veteran field installers are a complete service package you can rely on.

Knight Material Technologies provides process evaluation, custom engineering and design, manufacturing, construction

management, field installation and inspection services allowing you to focus on running your core business. We make sure that our work is done right by offering routine inspections and service for not only our equipment, but even for competitive equipment.

Knight Material Technologies is your single source for non-metallic corrosion resistant process linings.





SOLUTIONS

Knight Material Technologies is the single source for the most demanding corrosion applications. Our products and services are available worldwide through our global network of manufacturing and outsourcing. We focus on providing responsive, customer-focused solutions for complex situations using the most advanced technology and materials.

Our goal is to offer clients a complete package of corrosion resistant process equipment protection services, including engineering, design, installation, implementation and supervision. We provide support and service after install to make sure you are protected. The services and materials we offer will not only help protect your facility and workers, but will help protect the environment and especially meet EPA and other government regulations.

Knight Material Technologies is a worldwide leader in chemical and corrosion protection.

Experience Makes All the Difference

At Knight Material Technologies, our goal is to provide engineered corrosion solutions by focusing on specific customer needs. By applying our extensive material experience in the industry and on-going product development, Knight Material Technologies has a proven track record of designing corrosion resistant process equipment. Whatever your corrosive application, Knight Material Technologies has the acid-proof solution.

Applications

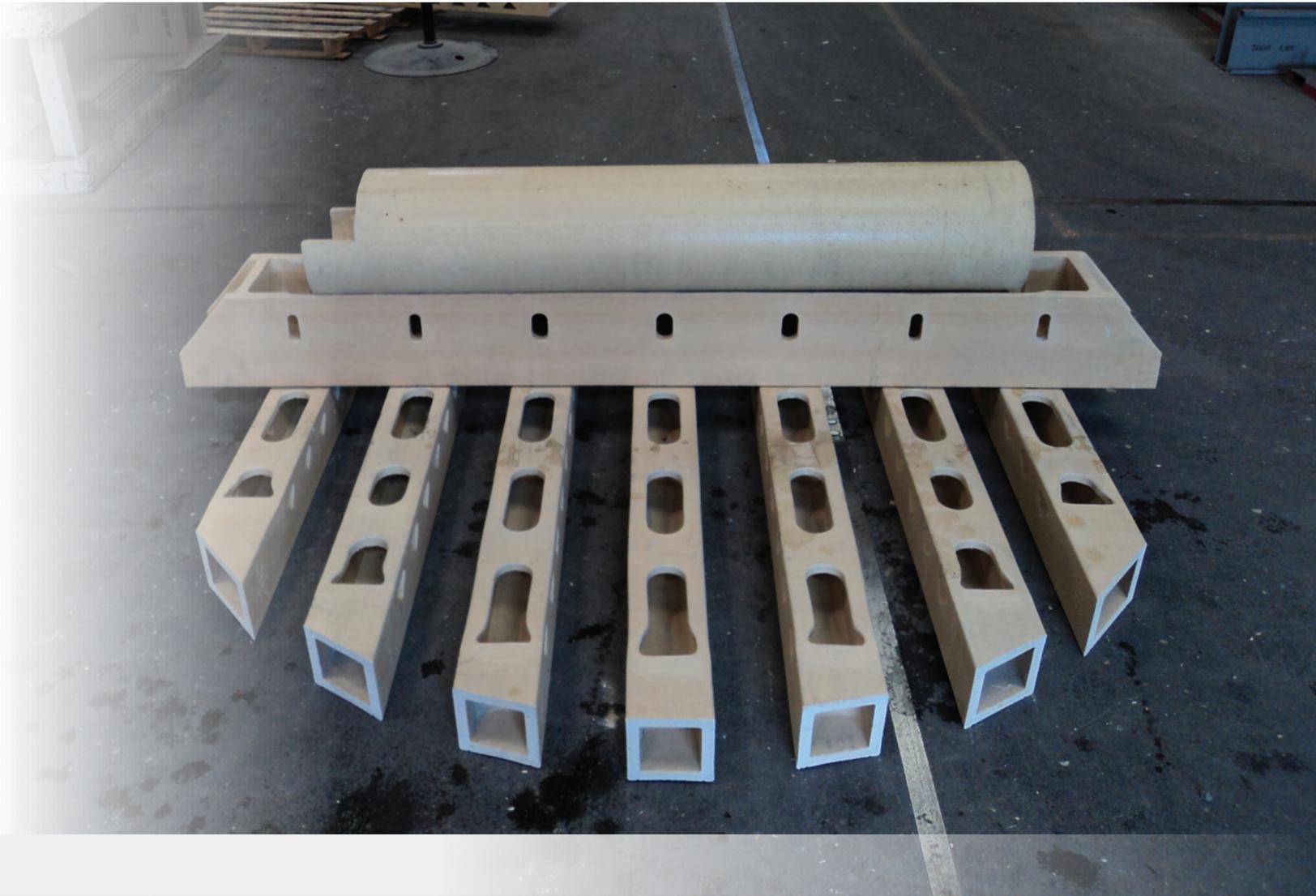
- Absorbers
- Concentrators
- Direct Contact Heat Exchangers/Quench Columns
- Strippers
- Scrubbers
- Reactors
- Storage Tanks (HCl/H₂SO₄)

Industries

- Chlor Alkali
- Titanium Dioxide
- Ethylene Dichloride (EDC)/Vinyl Chloride Monomers (VCM)
- Sulfuric Acid



HCl Quench Absorber



HCl Quench Absorber

Knight Material Technologies manufactures all types of corrosion resistant equipment. Pictured is an HCl all with brick lining, installed at the factory before shipping. Expert workmanship and years of experience assure that each custom made piece will give the utmost service.

Knight Material Technologies has pioneered the development of corrosion-proof materials of construction for process vessel applications. Today Knight Material Technologies is staffed and equipped to provide your every requirement – whether it be a specific corrosion-proof material for your application, plant equipment for your installation, or a complete Knight Material Technologies designed, fabricated and installed chemical process system.

Our goal is to provide the best service and corrosion engineering solutions for corrosion resistant process equipment in the chemical processing industry. Our turn-key engineered solutions, designs and installations are based on extensive experience in corrosion protection and vast knowledge in ceramics, alloys, thermoplastics, thermoset and fluoropolymers. We offer customers the best available corrosion resistant process vessels and intervals and field service.

Applications

Equipment/Service Market Need

Brick Lined Process Vessels Lining Configuration Options			
VESSEL	MEMBRANES	ACID RESISTANT CERAMIC	MORTARS
Carbon Steel	PYROFLEX® Acid Resistant sheet lining		<ul style="list-style-type: none"> • PERMANITE® Mortar (Furan)
Thermoset Composite (FRP/GRP)	Elastomers <ul style="list-style-type: none"> • Rubber (Any types) • Thermoplastics: Sheet Lining (PP, PVDF, ECTFE) • Thermoplastics: Mesh Bonded Fusion (PFA) 		<ul style="list-style-type: none"> • RESIBOND® D Acid resistant mortar (Vinyl Ester) • Acidsil™ acid resistant mortar (Silicates) • KABO™ C acid resistant mortar (Phenolic)



GLOBAL OFFICES



Knight Material Technologies Headquarters

PO Box 30070
5385 Orchard View Drive SE
East Canton, Ohio 44730
USA
Phone: +1 (330) 488-1651
Fax: +1 (330) 488-1656
Email: info@knightmaterials.com

Chile Office

Av. Kennedy 5770
Office 708 Vitacura
Santiago, Chile
Phone: +56 (2) 2873-7200
Email: chile@knightmaterials.com

Australia Office

Collins Square, Tower Four
Level 18, 727 Collins Street
Melbourne, VIC, 3008
Australia
Phone: +61 (02) 6658-4949
Email: australia@knightmaterials.com

CAPABILITIES

Knight Material Technologies works closely with our customers in taking a comprehensive look at their applications. We offer complete solutions for the corrosion and processing application using innovative custom designs or standard configurations and materials.

Our design and application expertise encompasses decades of engineering knowledge, experienced field crew installation, and maintenance and market leadership within the industry.

Knight Material Technologies offers value-added service with engineering support, custom design capabilities, and personable customer service. We are your single-source supplier of custom design packages. Our focus is to provide customers with superior products and materials, world-class engineering support, high-quality installation and responsive maintenance.

24-Hour Service: Call (330) 313-6372



Visit us on the web: knightmaterials.com