Heat exchangers
Reactors, columns & vessels
Piping
Expansion joints / bellows
Rupture discs
Process technologies
Service
PROCESS SOLUTIONS FOR CORROSIVE ENVIRONMENTS

01
MATERIALS EXPERTISE

02
ANTICORROSION EQUIPMENT

03
PROCESS KNOW-HOW AND TECHNOLOGIES PROVIDER

04
LIFETIME SERVICE AND MAINTENANCE
**GRAPHILOR®**

**THE SUPERIOR MECHANICAL AND CORROSION RESISTANT ISOSTATIC GRAPHITE**

- Graphilor® 3 XBS: A mechanically superior phenolic impregnated graphite for most corrosive applications
- Graphilor® 3 XTH: A chemically ultra-resistant fluoropolymer impregnated graphite for oxidizing applications
- Graphilor® 3 XC: A unique ultra-resistant carbon impregnated graphite for the most extreme applications with high temperature resistance (430°C)
- Strongest and longest graphite tubes available on the market (mechanical resistance up to 34 MPa)

Mersen also proposes extruded graphite which is corrosion resistant against most mineral acids and solvents.

**SILICON CARBIDE:**

“UNIVERSAL CORROSION RESISTANCE” SPECIFICALLY SUITABLE FOR HIGHLY AGGRESSIVE CHEMICAL COMPOUNDS

- Extreme hardness leading to optimal resistance against abrasion
- Extreme purity which makes SiC suitable for electronic applications
- Good resistance against thermal shock

**TANTALUM:**

THE MOST SUITABLE REACTIVE METAL FOR STRONG ACIDS

- Tantalum engineered products are the preferred corrosion resistant solution, to handle highly corrosive acids up to 250°C

**ARMYLOR® PTFE LINED PRODUCTS:**

EXPERTS IN THE PASTE EXTRUSION PROCESS AND LARGE DIAMETER SEAMLESS LINERS

- Materials: Virgin PTFE and TFM (modified PTFE) with antistatic as an option
- Seamless paste extrusion liners up to DN1600
- PTFE liner thickness up to 13 mm
ANTICORROSION EQUIPMENT

HEAT EXCHANGERS

GRAPHITE
- POLYBLOC
- POLYTUBE
- CUBIC
- ANNULAR GROOVE

SILICON CARBIDE
- BLOCK
- SHELL & TUBE
- PLATE & FRAME

TANTALUM
- SHELL & TUBE
- COIL
- BAYONET

ZIRCONIUM, TITANIUM AND NICKEL ALLOYS
- ZIRCONIUM
- TITANIUM
- NICKEL ALLOYS
- PRESSURE VESSEL

REACTORS & COLUMNS

PTFE PIPING, COMPENSATORS
- BURSTING DISCS
- TANTALUM SMALL PARTS

- PTFE LINED PIPING
- PTFE BELLOWS
- GRAPHITE BURSTING DISCS
- TANTALUM SMALL PARTS
WITH OUR LARGE RANGE OF PROCESS TECHNOLOGIES, COMBINING WITH OUR CORROSION RESISTANT MATERIALS, WE CAN PROVIDE YOU AN ENGINEERED SOLUTION TO TRANSFORM YOUR CORROSIVE FEED STOCK.

- Market leader position in HCl processes (concentration, distillation, absorption, synthesis)
- From process know-how to skid-mounted turn-key delivery

<table>
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<th>H2SO4</th>
<th>HCl</th>
<th>Cl2</th>
<th>HBr</th>
<th>Br2</th>
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We follow the equipment through its entire life. Our services include preventive maintenance, on-site inspection and process diagnostics. We can send our experts to your site to audit and provide recommendations to increase the performance of our equipment.

**On-site or remote service**

- Start up
- After-sales and Maintenance
- Support improvements
- Audit
- Training

With 19 service centers located in 5 continents, we are able to provide 24/7 service to our customers.
Mersen anticorrosion process equipment operates in the fine chemical, chemical, pharmaceutical and process industries, notably in the manufacturing of active pharmaceutical ingredients (API), herbicides, pesticides, flavors and fragrances, chlor-alkali, phosphoric acid, isocyanates, epichlorohydrin, electronic grade chemicals, pickling baths and many other products.