

ENGINEERED ALLOY PRODUCTS ZECOR® SULFURIC ACID PIPING SYSTEM

MECS® ZeCor®-Z Piping System sets the standard on prevention of leaks. This means improved safety conditions and maximum on-stream time and reduced maintenance costs.



ZECOR®-Z = LOW CORROSION RATES + HIGH VALUE

Sulfuric acid piping systems are one of the most vulnerable components of an acid plant. Traditional technologies make use of iron, plastic lined or merchant grade stainless steels. These piping systems, particularly those made of ductile iron, are comprised of numerous flange connections that represent potential leakage points resulting in serious safety and environmental risks not to mention ongoing maintenance costs. Depending on the particular concentrations and temperatures, the corrosion rate for ZeCor®-Z is less than 1 mpy (0.025mm/yr) in typical drying and absorbing tower circuits. The corrosion resistant ZeCor®-Z Alloy piping system has numerous advantages in the areas of maintenance, reliability, safety, ease of installation and range of pipe sizes available from stock or custom sized to your project. The MECS® ZeCor®-Z Alloy piping system combines the best in process knowledge, materials technology, quality systems and fabrication techniques. These practical advantages convert to real economic benefits to acid plant owners and operators.



ZeCor Piping System

FEATURES AND BENEFITS:

When compared to other piping systems, MECS® ZeCor®-Z Sulfuric Acid Piping System offers:

- Long life, even at higher acid velocities, due to very low corrosion rates.
- More efficient plant operations with cleaner acid from the dramatic reduction in iron sulfates.
- Less expensive installation because of the lighter weight of the welded ZeCor®-Z piping system and the pipe spools are physically easier to handle in the field.
- Safer, cleaner plant operations result from fewer potential leakage points as welded joint replace traditional use of flanges.
- Significantly reduced inventory quantities and space associated with spare pipe spools and fittings.
- The fully welded, light weight system makes it easier to install, field modify and handle by maintenance personnel.

MECS®
ZECOR® ALLOY

Learn more at www.mecs.dupont.com

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ZECOR® SULFURIC ACID PIPING SYSTEM

MECS® SULFURIC ACID EXPERIENCE – UNMATCHED WORLD WIDE

Since 1927, MECS® has offered process technology and high performance products for the sulfuric acid industry. The solutions MECS® offer benefit greatly from our many years of overall acid plant design and construction experience. The breakthroughs in specialty materials like ZeCor®-Z result from extensive corrosion and workability tests which MECS® has conducted in the field in real world conditions. MECS® has sales and engineering offices world wide to assist you in choosing these proven, dependable and cost effective solutions to your acid piping needs.

FULL RANGE OF ZECOR®-Z PIPE, FITTINGS AND ACCESSORIES

The following acid piping system components are available from stock or custom made to your requirements:

- Pipe 1” to 24” nominal diameters, larger sizes available on request.
- Stock fittings include 90° long radius elbows, concentric reducers, equal Tees, and fabricated stub ends.
- Other fittings, including 45° long radius elbows, concentric reducers, Tees, face rings and ANSI stub ends will be custom fabricated on request.
- Thermowells, Nozzle Sleeves, Acid Strainers, Vortex Breakers and Orifice Plates are also available.



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