



Elessent™
MECS® TECHNOLOGIES

ZECOR® CORROSION RESISTANT, HIGH PERFORMANCE METALS

THE MECS® FAMILY OF ZECOR ALLOYS PROVIDE SUPERIOR CORROSION RESISTANCE IN A WIDE RANGE OF SULFURIC ACID CONCENTRATIONS, TEMPERATURES AND APPLICATIONS.



ZeCor® towers and pump tanks can be shop-fabricated prior to plant shutdown and staged onsite for insertion of Brink® mist eliminators, UniFlo® acid distributors and tower packing.



UNIFLO® ACID DISTRIBUTORS



ZECOR® TOWERS AND PUMP TANKS



BRINK® MIST ELIMINATORS

FEATURES AND BENEFITS

- The mechanical corrosion properties of ZeCor® Alloys are ideal for the fabrication of a wide variety of acid plant components.
- ZeCor® Alloys can be easily welded and repaired by trained, onsite plant personnel.
- Proven welding process that uses ZeCor® filler wire. Welds are qualified to ASME code, section IX procedure and maintain full corrosion-resistant properties throughout.
- ZeCor® Alloys are available in a variety of thicknesses, allowing for customized equipment designs to accommodate differing corrosion requirements.
- Lower total installed project cost and life cycle maintenance cost.
- MECS® process knowledge and experience combined with the corrosion-resistant properties of ZeCor® Alloys will ensure the best design for your acid plant application.

Elessent Clean Technologies
MECS® Technologies
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ZECOR® CORROSION RESISTANT HIGH PERFORMANCE ALLOYS

ZECOR® COMPONENTS

MECS® offers a complete line of major components and maintenance upgrade accessories fabricated from ZeCor® Alloys, including:

- Towers
- Piping Systems
- Acid Coolers
- Packing Support Grids
- Nozzle Sleeves
- Outlet Sleeves
- Orifice Plates
- Pump Tanks
- Uniflo Distributors
- TowerGard® Mesh Pads
- Inlet Acid Strainers
- Outlet Acid Strainers
- Vortex Breakers
- HRS Equipment

These components can be fabricated from any of these high-performance metals, which include ZeCor®-Z and ZeCor®-310M. They are available exclusively from MECS®.

A variety of acid plant maintenance and process items can be fabricated from ZeCor® corrosion-resistant, high-performance alloys.



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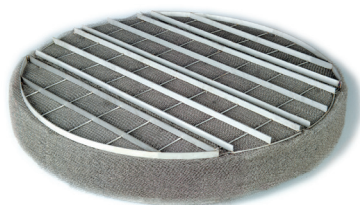
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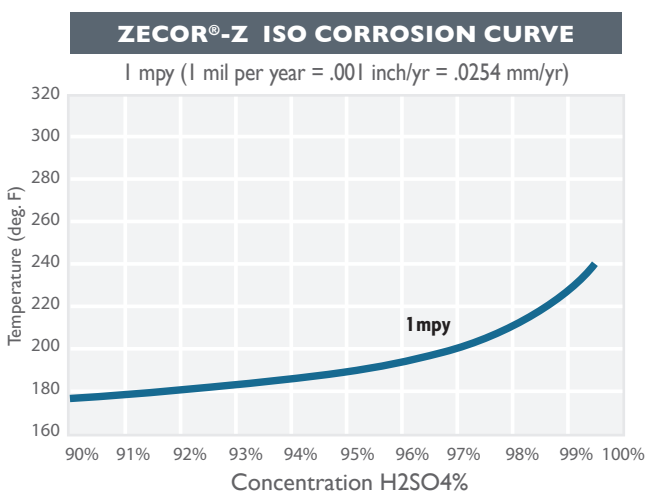
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ZECOR®-Z PROPERTIES	
PHYSICAL PROPERTIES	MECHANICAL PROPERTIES
Density = 0.275 lb/in ³	Min. Yield Strength (0.2% offset) = 37.0 ksi
	Min. Ultimate Tensile = 78.0 Ksi
	Min. Elongation = 30%



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