ENGINEERED ALLOY PRODUCTS
ZECOR® PACKING SUPPORT SYSTEM

Maximum open area for lowest gas pressure drop and highest efficiency in brick lined, ZeCor® or other alloy sulfuric acid plant towers.

FEATURES AND BENEFITS:
- Strong and light weight for easy handling and field assembly
- Absorbs thermal and mechanical shocks – unlike ceramic
- Available for new towers and field retrofits
- Welding is not required for assembly
- Sections sized for insertion through existing man-ways
- High quality shop fabricated sections minimize costly field labor expenses and expedite the installation schedule
- Custom designed for maximum tower efficiency, specific to your application
- Materials of construction selected for process conditions to eliminate corrosion

The MECS® ZeCor® Alloy Packing Support System provides the optimum design for sulfuric acid plant towers. The MECS® design replaces both ceramic grid bars and grid blocks. While the ZeCor® Alloy Packing Support System is the natural choice for new alloy towers, it can also be installed in existing brick lined towers for a retrofit application. ZeCor®-Z corrosion resistant metal alloy is the primary material of construction employed in this design but other alloys such as ZeCor®-310M can also be used depending upon process conditions. The ZeCor® Alloy Packing Support System is supplied in pre-fabricated in sections, convenient for ease of handling and suitable for insertion through available man-ways. No welding is required during assembly. Installation schedules are significantly reduced compared to traditional ceramic domes and Aludur® beam construction. ZeCor® Alloy Packing Support Systems have additional distinct advantages over ceramic systems. They can absorb thermal and mechanical shocks and require much less handling – resulting in lower field labor expense.

Learn more at www.mecs.dupont.com
ZeCor® packing supports are designed with more than 80% open flow area resulting in excellent gas distribution.

**COMPARISON OF COMPETITIVE PACKING SUPPORT SYSTEMS**

The chart below compares four tower packing support systems with respect to the open areas at the primary and secondary supports. The advantage of the MECS® ZeCor® Alloy Packing Support System is clear.

<table>
<thead>
<tr>
<th>OPEN AREA AT PRIMARY SUPPORT</th>
<th>OPEN AREA AT PRIMARY/SECONDARY SUPPORT</th>
<th>TYPE OF SUPPORT SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>80%</td>
<td>80%</td>
<td>ZECOR® ALLOY PACKING SUPPORT SYSTEM</td>
</tr>
<tr>
<td>83%</td>
<td>59%</td>
<td>ALUDUR BEAMS ON 8” CENTERS</td>
</tr>
<tr>
<td>77%</td>
<td>48%</td>
<td>ALUDUR BEAMS ON 6” CENTERS</td>
</tr>
<tr>
<td>60%</td>
<td>37%</td>
<td>SELF SUPPORTING DOME</td>
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</tbody>
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