Maintenance Solutions

Cement Processing Plant

- Reduce costly downtime
- Extend equipment life

Crusher Backing/ Wear&Abrasion /Repair Liners/ Metal Repair/Rebuild

KEY
EQUIPMENT PROBLEM PRODUCT/SOLUTION
CEMENT PROCESSING PLANT

Applications

- Cone/Gyratory Crushers
- Limestone Stackers/Reclaimers
- Conveyor Belts
- Bucket Elevators
- Slurry Tanks, Bins/Silos
- Clinker Grinder Hopper
- Grinding Mills (Silica Mill, Raw Mill, Finish Mill)
- Cyclone Separator
- Slurry and Pneumatic Lines
- Slurry Pumps
- Chutes and Hoppers
- Rake Classifier

Preventative Maintenance

- Backing liners
- Buckets worn
- Belting
- Buckets, urethane/steel
- Repair rubber liners and/or steel liners where incoming material impacts
- Backing mill liners, head liners division head and diaphragms
- Lining of feed chutes, entry elbows, wear plates and trunnion discharge liners
- Bolt holes of the liner bolts on the inside face; backing of trunnion liner to prevent erosion of trunnion if the liner wears out
- Resurface worn air seals
- Rebuild worn foundations or install new equipment
- Attach ceramic tile
- Wear on complex shaped surfaces (even directly onto rubber)
- Replace worn apex nozzle cone
- High wear areas in straight and elbow sections
- Patching holes, building up elbow for protection
- Castings & suction & discharge plates
- Localized high wear areas
- Worn pump shafts
- Wear due to sliding abrasion
- Repair rake blade and general casing
- Rubber lined classifier
- Repair pumps, motors, fans

Backing Compound, HP Backing Compound
Wear Guard™ High Load, Ceramic Repair Putty
Flexane™ Belt Repair Kit, Flexane® 80 Putty
Ceramic Repair Putty, Flexane™ Belt Repair Kit
Flexane™ Belt Repair Kit, Wear Guard™ High Load
Backing Compound, HP Backing Compound
Wear Guard™ High Load, Wear Guard™ Fine Load, Ceramic Repair Putty
Plastic Steel®
Flexane® 80 Putty
Ultra Quartz™, Deep Pour Grout™
Floor Patch™
Tile Adhesive
Wear Guard™ High Load, Wear Guard™ High Temp.
FasMetal™, Wear Guard™ Fine Load
FasMetal™, Wear Guard™ Fine Load, Wear Guard™ High Load
Ceramic Repair Putty, Brushable Ceramic (top coat)
Wear Guard™ Fine Load, Brushable Ceramic (top coat)
Titanium Putty, Brushable Ceramic (top coat)
Wear Guard™ Fine Load, Ceramic Repair Putty
Ceramic Repair Putty, Ceramic Repair Putty
Flexane® Fast Cure Putty, Ceramic Repair Putty
High Temp. Thread Sealant, Nickel Anti-Seize, Med. Strength Threadlocker, Bearing Mount for Relaxed Fits, the Right Stuff® and ULTRA BLUE® RTV Silicone

Devcon, Permatex, FasMetal, Flexane, Floor Patch, Plastic Steel, Ultra Quartz, Deep Pour Grout, Wear Guard, ULTRA BLUE and the Right Stuff are registered trademarks of Illinois Tool Works, Inc. ©2010 ITW Devcon All rights reserved. MB-08
### CEMENT PROCESSING PLANT Applications

<table>
<thead>
<tr>
<th>KEY</th>
<th>EQUIPMENT</th>
<th>PROBLEM</th>
<th>PRODUCT/SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cone/Gyratory Crushers</td>
<td>Backing liners</td>
<td>Standard Backing Compound K-001</td>
</tr>
<tr>
<td>2</td>
<td>Limestone Stackers/Reclaimers</td>
<td>Buckets worn</td>
<td>Wear Compound Large Bead K-050</td>
</tr>
<tr>
<td>4</td>
<td>Slurry Tanks, Bins/Silos</td>
<td>Repair rubber liners and/or steel liners where incoming material impacts</td>
<td>Wear Compound Large Bead K-050</td>
</tr>
<tr>
<td>5</td>
<td>Grinding Mills</td>
<td>Backing mill liners, head liners division head and diaphragms</td>
<td>Standard Backing Compound K-001</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>High Performance Backing Compound K-085</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Wear Compound Large Bead K-050</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Wear Compound Fine Bead K-060</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lining of feed chutes, entry elbows, wear plates and trunnion discharge liners</td>
<td>Wear Compound Large Bead K-050</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Wear Compound Fine Bead K-060</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bolt holes of the liner bolts on the inside face; backing of trunnion liner to prevent erosion of trunnion if the liner wears out</td>
<td>Corrosion Repair Compound K-054</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Armor Plate Steel Regular K-033</td>
</tr>
<tr>
<td>6</td>
<td>Cyclone Separator</td>
<td>Attach ceramic tile</td>
<td>Tile Adhesive</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wear on complex shaped surfaces (even directly onto rubber)</td>
<td>Wear Compound Large Bead K-050</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Wear Compound High Temp K-037</td>
</tr>
<tr>
<td>7</td>
<td>Slurry and Pneumatic Lines</td>
<td>High wear areas in straight and elbow sections</td>
<td>Armor Plate Steel Xtra Fast K-032</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Wear Compound Fine Bead K-060</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Patching holes, building up elbow for protection</td>
<td>Wear Compound Large/Fine Bead K-050/K-038</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Armor Plate Xtra Fast K-032</td>
</tr>
<tr>
<td>8</td>
<td>Slurry Pumps</td>
<td>Castings &amp; suction &amp; discharge plates</td>
<td>Corrosion Repair Compound K-054</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Localized high wear areas</td>
<td>Wear Compound Fine Bead K-060</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worn pump shafts</td>
<td>Titanium K-030 Brushable Ceramic K-015</td>
</tr>
<tr>
<td>9</td>
<td>Chutes and Hoppers</td>
<td>Wear due to sliding abrasion</td>
<td>Wear Compound Fine Bead K-060</td>
</tr>
<tr>
<td>10</td>
<td>Rake Classifier</td>
<td>Repair rake blade and general casing</td>
<td>Corrosion Repair Compound K-054</td>
</tr>
</tbody>
</table>