

# Case Study: Cement Manufacturing

## GYLON EPIX™ 3504 EPX



### INDUSTRY

Material Processor

### CUSTOMER

Cement manufacturer

### BACKGROUND

The customer experienced gasket leaks in their piping system. This caused lost time due to repairs and clean-up efforts.

### CHALLENGES FACED

Several issues that plagued the system - abrasive media stream caused gasket and flange erosion, and low strength bolts prevented the customer from using higher performance gasketing materials that require higher assembly stresses to properly seal.

### OPERATING CONDITIONS

Dry Cement

- » Temperature: 185°F (85°C)
- » Class 150 Raised Face Flanges
- » Grade 2 bolts (low strength, 57ksi yield strength)
- » Pressure: 102 psig (7 bar)

### SOLUTION AND BENEFITS

The customer's desire to have a sealing solution that could work with the flanges in their current condition, as well as the lower strength bolt led to the evaluation of the GYLON EPIX 3504 EPX in a 6"-150# raised face flange. The 3504 EPX gasket effectively seal the damaged flange faces with the lower strength SAE Grade 2 bolts.

For more information, please visit:  
<http://www.garlock.com>



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