

# Case Study: GYLON EPIX® 3504 - Large Mining Facility



## INDUSTRY

Mining

## CUSTOMER

Large Mining Company

## BACKGROUND

Ideally the plant wanted one gasket type to handle many different media services. The plant handles various aggressive medias used in the processing of copper.

## CHALLENGES FACED

There were too many different types of gaskets being used to handle acid, steam, hot water, etc. Maintenance personnel found it difficult to know which gasket was appropriate for a service. In the worst cases compressed fiber gaskets with NBR or NBR rubber were used in acid services which resulted in leaks.

## OPERATING CONDITIONS

Application 1:

Size - 6"

Temperature - 230°F (110°C)

Application - Power Plant steam line, steel flanges

Pressure - 260 psig

Media - Saturated steam

Application 2:

Size - 6"

Temperature - 113°F (45°C)

Application - Lime slurries used to control pH for the processing of copper concentrate, Steel Flanges.

Pressure - 350 psig

Media - Lime Slurries

## SOLUTION AND BENEFITS

GYLON EPIX® 3504 was installed in August of 2017 and continues to be used in steam, hot water and acid services giving leak free service and eliminating the possibility of choosing the wrong gasket for a service.

For more information, please visit:

<http://www.garlock.com>

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