

## CASE STUDY

**KWO®**  
**Mining**



**KWO®**  
experts in ePTFE

## PRODUCT

KWO® MultiTex® 2.0 Gasket.

## INDUSTRIAL SECTOR

Gold mining.

## APPLICATION

Pressure Oxidation (POx) sealing system. POx is a critical process used to extract gold from refractory ores, which involves aggressive acid slurries, elevated temperatures and pressures.

## PROBLEM DEFINITION

Previous attempt with fiber-based acid resistant gasket materials failed to meet expectation, showing lack of flexibility and sealing capability needed in presence of worn surfaces, resulting in persistent leakages, maintenance interruptions, and short mean time before failures (MTBF).

## SOLUTION AND RESULT

The facility transitioned to KWO® MultiTex® ePTFE gaskets, ensuring a tight, lasting seal on the worn and uneven surfaces, without the requirement of flange resurfacing or expensive retrofitting, and so boosting the confidence of the Maintenance and Engineering Teams.

## APPLICATION PARAMETERS

Material: Carbon Steel

Operating temperature: 160° C

Operating pressure: 30 Bar

Medium: Acid Slurry

Flange form/diameter: Full Face Flanges ASME B16.21 ASME B16.5

Sealing surface: Worn, Uneven

Bolts: n.a. Use of Hydraulic Torquing Equipment

Previous seal: Acid Resistant CNAF

