

CASE STUDY

KWO® MultiTex® Gasket Primary metals-Steel industry



KWO®
experts in ePTFE

PRODUCT

KWO® MultiTex® 2.0 Gasket.

INDUSTRIAL SECTOR

Primary metals-Steel.

APPLICATION

Application of KWO®MultiTex® Gasket thk. 3 mm on the acid regeneration plant flange connections.

PROBLEM DEFINITION

A leading steel mill faced recurring maintenance challenges in their acid regeneration system, a critical component of the pickling line. The mill used rubber-based gaskets for sealing flanges and connections: these gaskets frequently failed due to chemical degradation, leading to leaks, downtime, and increased maintenance costs.

SOLUTION AND RESULT

The mill decided to replace the existing rubber-based gaskets with KWO®MultiTex® Gasket thk. 3 mm to reduce leakage, maintenance frequency, and overall operational costs.

APPLICATION PARAMETERS

Material: Stainless steel.

Operating temperature: 150°/200° C

Operating pressure: 15 Bar max.

Medium: HF-HNO3 mixed acid

Flange:

Sealing surface: 1"-12" Flanges

Bolts: -

Previous seal: Elastomer based gasket.

