

CASE STUDY

KWO® MultiTex® Gasket Water and Wastewater



KWO®
experts in ePTFE

PRODUCT

KWO® MultiTex® 2.0 Gasket.

INDUSTRIAL SECTOR

Water and Wastewater Treatment industry.

APPLICATION

Application of KWO® MultiTex® Gasket thk. 2 mm on the chemical dosing line of a municipal water treatment plant.

PROBLEM DEFINITION

The water treatment plant used aggressive chemicals for the water treatment and purification process. The elastomer-based gaskets installed were not chemically resistance to this substances and they suffered form swelling and chemical degradation, with a negative impact on plant operations, increasing maintenance costs and concerns about safety and environmental compliance.

SOLUTION AND RESULT

After experiencing several issues, the plant consulted with our application engineers and decided to replace the gaskets in used with ePTFE ones, to obtain a superior chemical resistance and a longer lifespan, reducing maintenance intervations.

APPLICATION PARAMETERS

Material: Stainless steel/PVDF

Operating temperature: 10°-40° C

Operating pressure: 10 Bar max.

Medium: Chlorine, Sulfuric Acid, Sodium Hydroxide, Alum

Flange:

Sealing surface: 1/2" to 3" Flanges

Bolts: -

Previous seal: Elastomer based gasket.

