



ENVIRONMENTAL TECHNOLOGY

AESSEAL® mixer seal solves reliability problem

A locally-made double mixer seal being used by the Ela Kimya chemical company in Istanbul was failing every few months because its elastomers and inner seal design were not suitable for the application.

This unreliability was causing the company significant losses both financially and in lost production, since the equipment was a critical part of their production process. AESSEAL® recommended its 100mm SCMS-DWB™ mixer seal with Kalrez O-rings. This was installed in December 2022, and 18 months later is still working without a problem. The correct elastomer and seal face selection along with professional seal design have resolved the problems arising from seal failures, reducing downtime and increasing production efficiency.

There have also been a number of environmental benefits. The old seal leaked vapor until such time as the equipment could be stopped for servicing. This meant that any chemical polymer being produced was leaking its vapour to the plant building and then to atmosphere. The efficiency of the AESSEAL® system prevents this from happening. The success of the installation has led to orders for five additional mixer seals for other equipment.



‘Reliability increased from <3 months to >18 months’

Industry: Chemical
Product: SCMS-DWB™
Application: Mixer
MTBF Increase: 500% (and counting)
Reference N.O: TD3104245



aes seal.com/info