



Summary

Industry:	Petrochemical
Application:	Pipework
Actual Saving:	£40,000
Payback Period:	1 year



Reducing leakage by 50 tonnes per year

ISSUE

Everything leaks, even gaskets! It is the rate of this leak what is critical.

The smaller the leak, the less the financial loss from escaping product and less the environmental impact.

One particular customer, an ethylene plant, estimated it had 50,000 joints, each having a gasket in place. Although the existing gasket specification was fit for purpose, ERIKS Engineers calculated that if a better gasket design was employed, significant improvements could be made.

SOLUTION

ERIKS Engineers recommended the modification of the existing gasket specification to one in accordance with German ta-luft specification.

The ta-luft specification has very stringent criteria on leakage rate, and is the basis of ERIKS Gasket Sustainability criteria. ERIKS recommended the selection of a reinforced graphite material.

With a proven leak rate of only 0.00008 mbar.l/s.m, it is estimated that ethylene product loss will be reduced by 50 tonne per year for this customer.

OTHER BENEFITS

- Improved gasket tightness
- Reduced fugitive emissions
- Financial savings
- Sustainable solution

FURTHER COMMENTS...

In Europe alone, it is estimated that by selecting gasket specifications in accordance with ta-luft, more than 300,000 tonnes of product loss through leakage could be prevented.

MORE INFORMATION

ERIKS Industrial Services

Amber Way, Halesowen,
West Midlands B62 8WG

Tel: 0845 006 6000

Web: www.eriks.co.uk