



# KLINGER SAFEGUARD



Simple to install, the Safeguard limits further corrosion, giving asset managers and engineers essential quality assurance and cost savings.

- » Klinger Safeguard uses Thermica outer facing which is a CNAF fibre; using mica and NBR binder offers high flexibility, high temperature resistance and excellent compatibility across a broad range of chemicals. The ePTFE inner corrosion-compensating zone helps to fill voids at the gasket bore and reduce the likelihood of further corrosion.
- » Regular corrosion inspection activities can be completed with the knowledge that joints can be remade even if corroded flanges are evident. This is facilitated with the Klinger Safeguard without the need for expensive and disruptive flange replacement or machining.
- » The risk of leaks is reduced, minimising the environmental impact of any installation.
- » Halts in production are also reduced, avoiding major loss of revenue.

COMPONENT	UNITS	KLINGER THERMICA	KLINGER SOFTCHEM
Compressibility	%	12	50-60
Recovery	%	<55	13-17
Stress Relaxation (DIN 52913, 50MPa, 16h, 300°C)	MPa	28	-
Density	g/cm <sup>3</sup>	1.7	0.9
Dielectric Strength	kV/mm	15	-
Temperature Range	°C	-200 to 350	-200 to 260

## PROPERTIES

- » Continuous service up to 260°C
- » Suitable for RTJ, RF and mismatched RF to RTJ flanges
- » Suitable for pressure ratings from Class 150 to 2500
- » Compressed fibre facings of mica & synthetic fibres bound with NBR on a high strength metallic core
- » Excellent chemical resistance
- » 3xA anti-stick finish

## TESTS AND CERTIFICATIONS FOR KLINGER THERMICA

- » Fire-safe to DIN EN ISO 10497 / API 607
- » Fire-safe to API 6FB
- » BS 7531 Grade AX

### HEAD OFFICE

KLINGER Ltd  
Wharfedale Road  
Euroway Trading Estate  
Bradford BD4 6SG

Tel: 01274 688 222  
Fax: 01274 688 549  
www.klinger.co.uk  
enquiries@klingeruk.co.uk

### KLINGER RUNCORN

Tel: 01928 577 030  
Fax: 01928 575 233

### KLINGER SOUTHAMPTON

Tel: 02380 611 855  
Fax: 02380 610 360

### KLINGER ABERDEEN

Tel: 01224 772 962  
Fax: 01224 772 953

### KLINGER IMMINGHAM

Tel: 01469 575 289  
Fax: 08449 676 779

### KLINGER MIDDLESBROUGH

Tel: 01642 220 289  
Fax: 01642 220 290

### KLINGER GRANGEMOUTH

Tel: 01324 472 231  
Fax: 01324 482 111



FM 602916 FM 10571 OHS 570166 EMS 570165