







The following applications of KLINGERsealex will give you some idea of the innovative uses of this product. Further references are available on request.

**KLINGERsealex in turbine construction**

Operating conditions:  
8 bar at 240 °C.

A sealing material was required for a number of flanges in the low-pressure area of the turbine house of a nuclear power station.

KLINGERsealex succeeded in replacing the traditional seals and reduced the time needed to clean the flange faces giving savings of some 40-workforce hours every time the joints were replaced. These savings are in addition to the savings made in dismantling and assembling the joint and in the cost of materials, which would otherwise have been used.

KLINGERsealex adjusts extremely well to all flange sealing conditions and possess outstanding resistance to paint solvents and cleaning agents.

**KLINGERsealex as a temporary solution in pipeline systems**

Operating conditions:

Aggressive agents at 5 bar and 32 °C. An extremely aggressive mixture of distilled water, vulcanisation agents, carrier agents and pigments is conveyed via a pumping station and associated piping system.

KLINGERsealex is also employed here for repairs in emergencies. The results are surprising. An emergency solution becomes a permanent fixture.

**KLINGERsealex in dryer kilns**

Operating conditions: 230 °C. Tunnel kilns for the kiln drying of coated/lacquered steel and aluminium metal elements on the air flow feed and air extraction sides are sealed with the new "miracle of the roll". KLINGERsealex replaces woven tape fabric, flocked side panel cladding and other insulation materials with or without asbestos.

**Installation instructions**

Clean flanges, cut off a length of KLINGERsealex slightly longer than the actual circumference of the seal. Peel off the adhesive protection strip and press KLINGERsealex into position. Cross the free ends of

KLINGERsealex adjacent to a bolt hole and bolt up the mating surfaces using the recommended clamping force and bolt tightening patterns.

All rights reserved to make technical alterations.

**Certified according to DIN EN ISO 9001.**

KLINGER Ltd

Sealex	Minimum/Maximum clamping force to effect seal at ambient*		Minimum/Maximum clamping force to effect seal at 100 °C*	
	Width/ mm	Liquid N/mm	Gas N/mm	Liquid N/mm
3	85 – 400	170 – 400	150 – 400	350 – 400
5	125 – 500	250 – 500	215 – 500	400 – 500
7	170 – 750	340 – 750	300 – 750	550 – 750
10	220 – 950	435 – 950	375 – 950	650 – 950
14	280 – 1000	560 – 1000	490 – 1000	750 – 1000
17	300 – 1200	600 – 1200	525 – 1200	825 – 1200
20	395 – 1450	785 – 1450	685 – 1450	900 – 1450
25	510 – 1600	1000 – 1600	900 – 1600	1200 – 1600

\* Guideline for clamping force per mm of length