THERMOSEAL®
A KLINGER Company

# SEALEX®

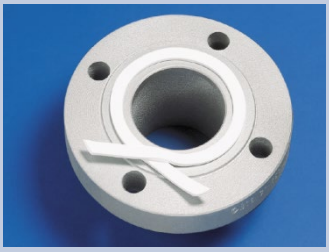
## PTFE Joint Sealant

Sealex® joint sealant, specially processed, 100% pure PTFE on a roll, provides soft, highly compressible gasketing for longer life and trouble-free sealing. Its form-in-place versatility also cuts maintenance and storage costs. The high compressibility of Sealex® enables it to effectively fill flange imperfections for a tight, leak-free seal. Under pressure, it provides a very wide, thin ribbon-like joint sealant. Unlike conventional PTFE which is prone to cold flow, Sealex® has good creep resistance and bolt torque retention properties.

Sealex® joint sealant does not support bacterial growth or cause product contamination and is FDA compliant. It has virtually no shelf-life concerns since PTFE is unaffected by normal environmental conditions.

Sealex® has excellent resistance properties to chemical attack. It is ideal for most chemical services at temperatures to 500°F (260°C) and pressure to 2,000 psi (138 bar). It is also suitable for cryogenic use to -321°F (-196°C).

The sealant is available in roll form which helps reduce storage space, and is available in a wide variety of thicknesses and lengths.



**Easy to Use Sealex®**

**Just follow the simple installation instructions. Select the size Sealex®. Use a size with nominal width of between 1/3 and 1/2 of the effective flange sealing width.**

1. Make sure that the sealing flanges are clean.
2. Cut off a length of Sealex® just a little longer than the actual circumference of the perimeter of the seal.
3. Peel off the adhesive protection strip, and press the Sealex® into position. Cross the free ends of the Sealex® adjacent to the bolt hole.
4. Bolt up the mating surfaces using the recommended clamping force and bolt tightening patterns.

Sealex® joint sealant can be used wherever reliable gasketing is required

- » Fume ducts
- » Concrete lids
- » Glass joints
- » Heat exchangers
- » Fiberglass reinforced plastic vessels
- » Pump or compressor housing flanges
- » Steam vessel flanges
- » Ceramic joints
- » Water systems
- » Valves and piping

## Size selection/torques required to seal ANSI 150lb flanges

| NOMINAL FLANGE SIZE (IN) | NUMBER BOLTS (N) | BOLT SIZE (IN) | *APPROX. SEALEX LENGTH (IN) | SUGGESTED SEALEX SIZE(IN) | SEALING STRESS (LBS/IN) | TORQUE (LB/FT) |
|---|---|---|---|---|---|---|
| 1/2 | 4 | .5 | 4.3 | 3/16 | 1570 | 30 |
| 3/4 | 4 | .5 | 5.2 | 3/16 | 1570 | 30 |
| 1 | 4 | .5 | 6.2 | 3/16 | 1570 | 30 |
| 1-1/4 | 4 | .5 | 7.4 | 3/16 | 1570 | 30 |
| 1-1/2 | 4 | .5 | 8.3 | 1/4 | 2140 | 30 |
| 2 | 4 | .625 | 10.2 | 1/4 | 2140 | 60 |
| 2-1/2 | 4 | .625 | 12.2 | 1/4 | 2140 | 60 |
| 3 | 4 | .625 | 13.9 | 1/4 | 2140 | 60 |
| 4 | 8 | .625 | 17.9 | 3/8 | 2620 | 60 |
| 5 | 8 | .75 | 20.9 | 3/8 | 2760 | 100 |
| 6 | 8 | .75 | 24.1 | 3/8 | 2625 | 100 |
| 8 | 8 | .75 | 30.9 | 3/8 | 2625 | 100 |
| 10 | 12 | .875 | 37.9 | 3/8 | 2750 | 160 |
| 12 | 12 | .875 | 45.4 | 1/2 | 3000 | 160 |

*Based on mean sealing diameter

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