

SEALEX

- 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



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

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.

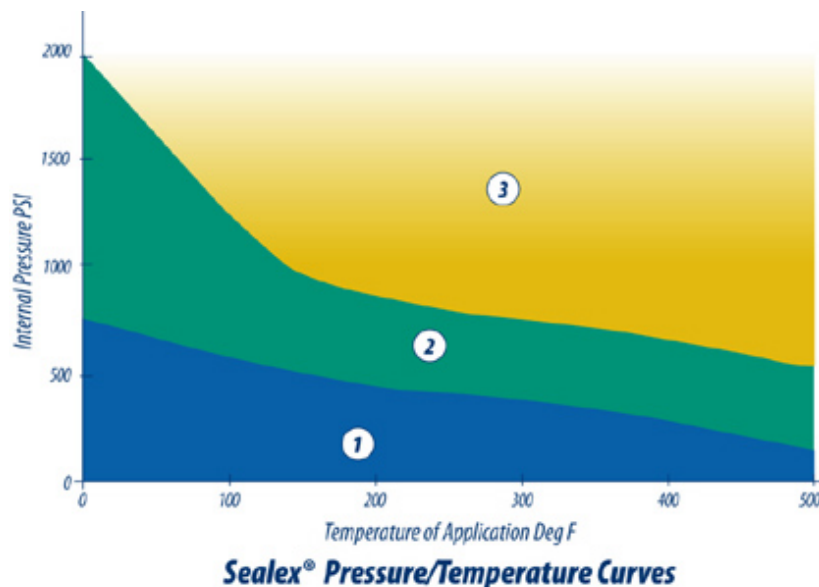
Easy to Use Sealex:

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.

Pressure & Temperature Graphs



The pressure/temperature graphs shown are the most current method of determining the suitability of a gasket material in a known environment. Use the pressure and temperature graphs to select the most suitable material for your application.

- 1. In area one, the gasket material is suitable using common installation practices subject to chemical compatibility.
- 2. In area two, appropriate measures are necessary for installation of the gasket to ensure maximum performance. Please call or refer to the KLINGER® expert software system for assistance.
- 3. In area three, do not install gaskets in these applications without first referring to the KLINGER® expert software system or contacting Thermosteel Inc.'s technical support service

These graphs were developed from testing Klinger materials. Do not use them for competitors' materials since non-asbestos gasketing materials do not have service equivalents.

Use: The limitations of use, as shown in the graphs, are for guidance only, and are based on 1/16" thick material. The limitations of use decrease significantly as gasket thickness increases. Do not use a thicker gasket material or "double gaskets" to solve a gasket problem without first consulting the manufacturer. The ability of a gasket material to make and maintain a seal depends not only on the quality of the gasket material, but also on medium being sealed, the flange design, the amount of pressure applied to the gasket by the bolts and how the gasket is assembled into the flanges and tightened.

Size selection/torques required to seal ANSI 150lb flanges

Nominal Flange Size (In)	Number Bots (N)	Bolt Size (In)	*Aprox. 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



**Seal & Design
Able Division**
5533 Steeles Avenue West Unit 11
Toronto, Ontario M9L 1S7
Ph: (416) 741-0750
Gasket@AbleSealAndDesign.com



**Seal & Design
Corporate Headquarters**
4015 Casilio Parkway
Clarence, NY 14031
Ph: (716) 759-2222
Info@SealAndDesign.com
www.SealAndDesign.com



**Seal & Design
Higbee Division**
6741 Thompson Rd N
Syracuse, NY 13221
Ph: (315) 432-8021
Sales@Higbee-Inc.com