



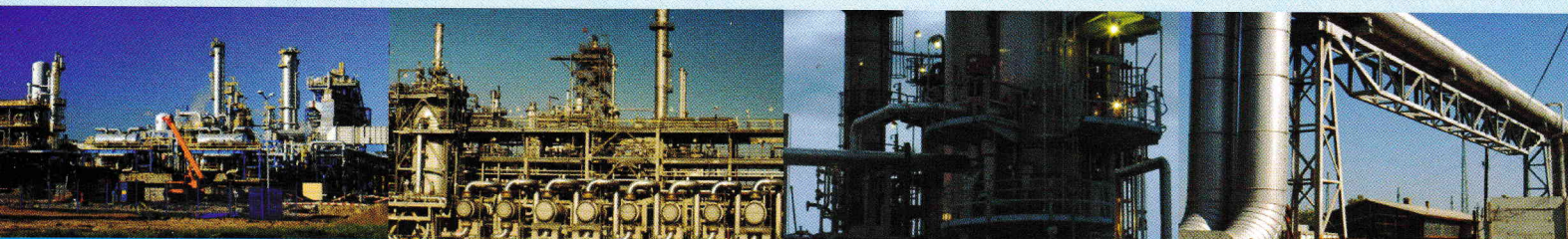
**PT. AREZDA PURNAMA LOKA**  
*Pressure Vessels & Sealing Technology Products Manufacturing*

# **SUPER SEAL**

## **EXPANDED PTFE - JOINT SEALANT**



[www.arezda.co.id](http://www.arezda.co.id)



*Produksi Dalam Negeri*

## CHARACTERISTICS

For many industrial fields in which static seals are required in various nominal sizes, there is a requirement for a universally applicable sealing material. INGI "SUPER SEAL" Expanded-PTFE Joint Sealant satisfies this requirement without difficulty.

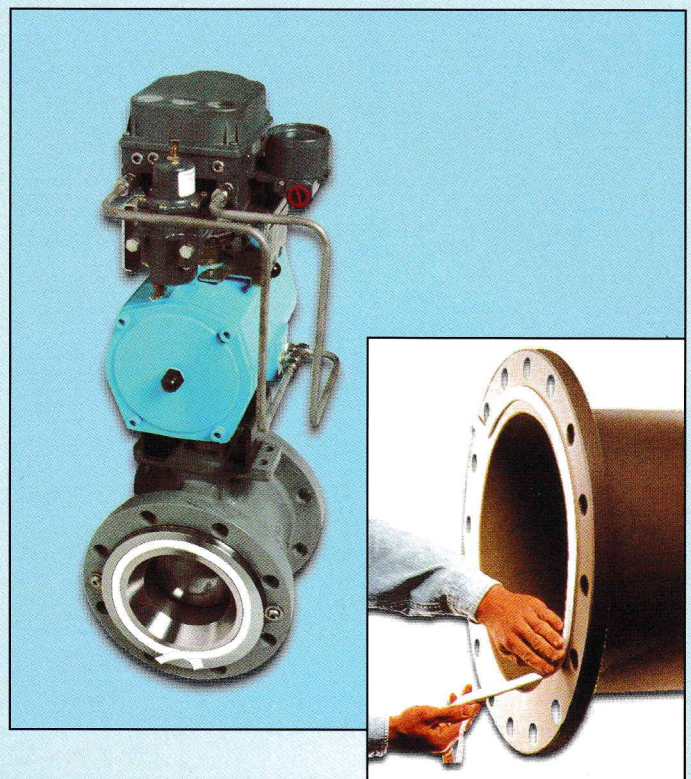
INGI "SUPER SEAL" PTFE Joint Sealant consists of 100% pure PTFE, asbestos-free, tasteless, odourless, no physiological problems and is manufactured by a special process which reorganizes the fibre structure, combining the important mechanical properties with the more specifically sealing properties in an optimum manner.

INGI "SUPER SEAL" PTFE Joint Sealant can be used as a static seal in many branches of industry for almost all flanges, cover and casing connections. Because of its high resistance to various media, it is particularly popular in the chemical industry.

INGI "SUPER SEAL" PTFE Joint Sealant has a thin strip cord of adhesive to hold it in place on a vertical surface.



INGI "SUPER SEAL" PTFE Joint Sealant is easy to handle and install. The backing strip is pulled off from the bonding layer and the sealing strip bonded directly onto the clean sealing surface. A closed seal is provided simply by overlapping the ends. Because it is so easy to use, INGI "SUPER SEAL" PTFE Joint Sealant can be employed almost universally. The sealing strip can be adapted to almost all flange sizes and shapes and can be bent around any required radius. An optimum sealing effect is achieved by only one ring layer per sealing surface.



## TECHNICAL DATA

pH	0 - 14
Temp.	- 240 °C + 260 °C for short period of approx + 300 °C
Pressure	Up to 100 bar depending on the temperature & the installation condition.

Dimension (mm)			Recommended Flange Sizes Ø Up to
Width	Thickness Approx.	Length/Spool Approx.	
3	1.5	30 mtr.	50 mm
5	2	20 mtr.	200 mm
7	2.5	15 mtr.	500 mm
10	3	8 mtr.	1000 mm
12	4	5 mtr.	1500 mm
17	6	5 mtr.	≥ 1500 mm
20	7	5 mtr.	
25	5	5 mtr.	

## APPLICATIONS

INGI "SUPER SEAL" has excellent chemical stability and is suitable for use with corrosive acids, caustics, solvents, gases, molten metal, etc. except molten alkali metals and elementary & gaseous fluorine.

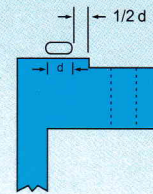
Following are some typical applications for INGI "SUPER SEAL" Joint Sealant ...

- Centrifuges
- Ceramic Joints
- Column
- Compressors
- Dryers
- Duct Flanges
- Evaporators
- Filters
- Fume Ducts
- Gearboxes
- Glass Joints
- Heat Exchangers
- Manhole Covers
- Man ways
- Mixers
- Pipe Flanges
- Pump & Valve Casings
- Water Systems

*All technical information is based on experience. All parameters need to be checked by the customer on site because the effectiveness of a seal can only be judged correctly when knowing all prevailing conditions and technical data.*

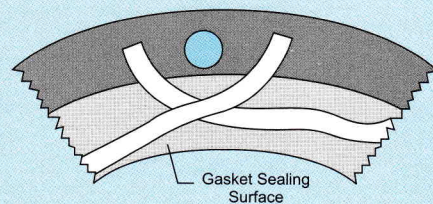
## INSTALLATION INSTRUCTIONS

1. Clean the flange from dirt and scale (that can provide leakage paths).
2. Lubricate the bolts and the underside of the nuts. A heavy graphite and oil mixture will do, but for maximum clamping force use pipe thread tape. Threads should be well formed and free running. Lubricating the threads doubles the clamping force.
3. Place the Joint Sealant on the flange toward the outside of the gasket sealing area so that a width of flange about equal to half the width of Joint Sealant is on the outside as shown. Firmly press the Joint Sealant in place as you go. The adhesive and stripe will hold the Joint Sealant in position.

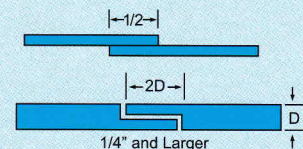


The placement of the Joint Sealant is important because it makes a very thin gasket which spreads wider as the bolts are torqued. Flanges, especially blind flanges, bend appreciably when the bolts are torqued and might come together without adequately compressing the gasket if it were placed further toward the inside.

4. Complete the seal cross the ends near a bolt hole. Cross one end over the other about 1" and cut.

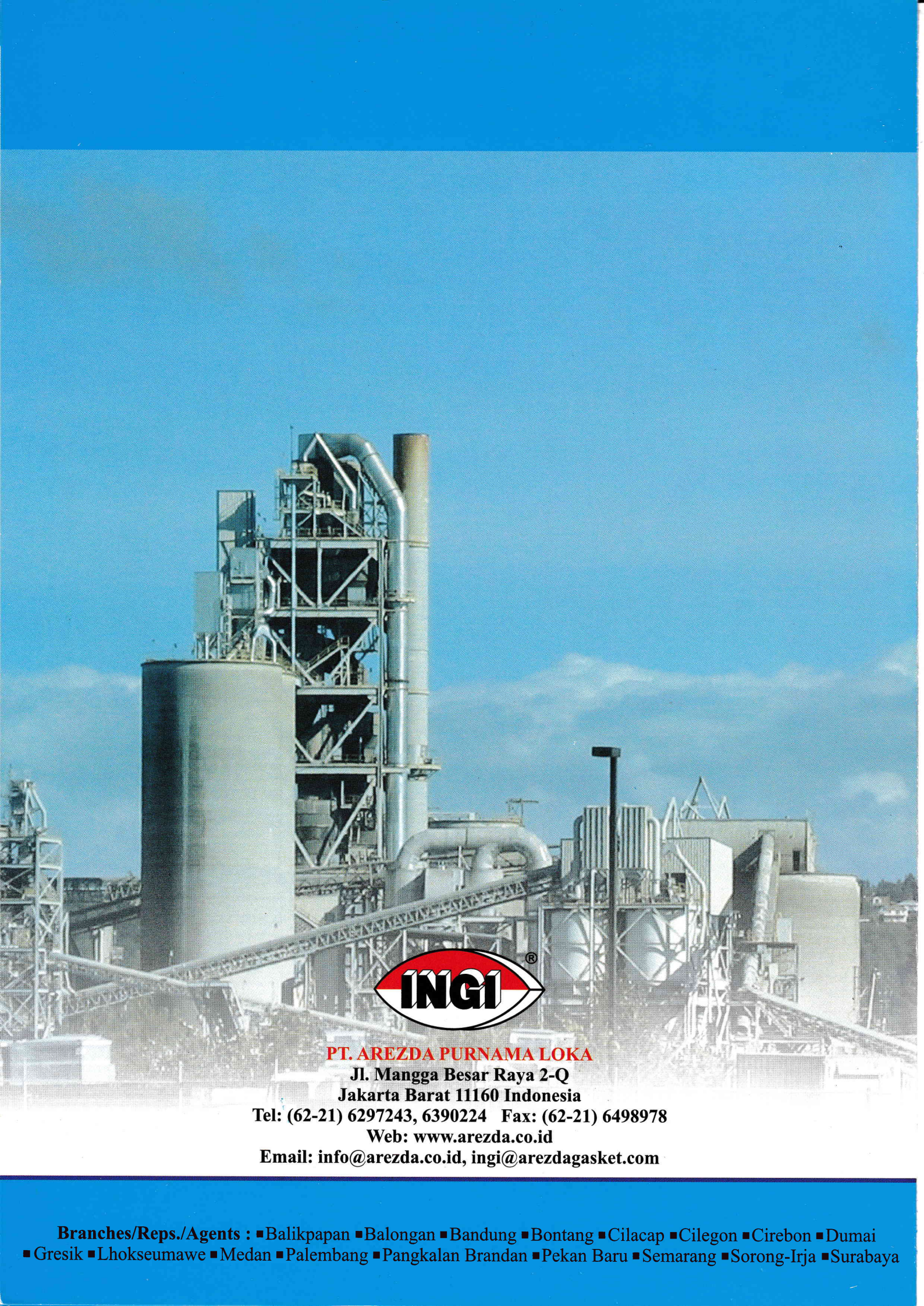


For the few critical applications where the extra bulk at the crossover could cause trouble, lap the ends as shown.



5. Assemble the flanged joint and torque the bolts as follows :
  - a. Run up all nuts finger tight.
  - b. Develop the required bolt stress in a minimum of three about equal steps, following a tightening up sequence as shown. joint sealant is highly compressible but has little resilience, so gradual tightening is necessary to form a gasket of uniform thickness.

Use a torque wrench if it is available.



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