

Thomson

CHEMLON® 735 JOINT SEALANT



Expanded PTFE form-in-place self-adhesive Joint Sealant.

FEATURES / BENEFITS

- Expanded PTFE sealant on a roll can be applied to virtually any size or shape of flange surface.
- Installation is quick and easy with no hand cutting or precise measuring required.
- Fibrous PTFE structure results in superior creep and cold flow resistance and greater pressure capability versus sintered PTFE.
- Inert to virtually all chemicals - excellent versatility.
- Highly conformable and able to fill in large imperfections on pitted and wire drawn flanges.
- FDA Compliant.

TYPICAL APPLICATIONS

- Steam and chemical service in Pulp and Paper, Food Processing, Pharmaceutical, and Chemical processing.
- Evaporators, pipe flanges, heat exchangers, manways, housing covers, and pump casings.

SPECIFICATIONS

Construction:
100% Expanded PTFE

Colour:
White

Temperatures:
-450°F (-268°C) to
600°F (315°C)

Pressure:
Max:2900 psi (200 bar)

pH Range:
0-14 (except molten alkali metals and elemental fluorine)

ORDERING INFORMATION

Nominal Width	1/8"	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	1"
Thickness (in)	.059	.079	.157	.197	.197	.236	.276	.236
Spool Length (ft)	50/100/500	75/150/750	50/100/500	25/50/250	15/30/150	15/30/150	15/30/100	15/30/75
Sealing Width (in)	1/8 to 1/4	1/4 to 3/8	3/8 to 5/8	5/8 to 1	1 to 1-1/2	1-1/2 to 2	2 to 2-1/2	2-1/2+

TYPICAL INSTALLATION METHODS - CHEMLON® 735

SIZE SELECTION

Flat Face/Raised Face Flanges and Manways:

Measure the flange sealing width. Refer to Ordering Information for the corresponding Chemlon 735 Joint Sealant nominal width.

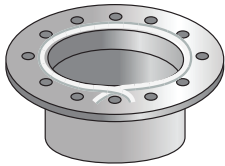
Tongue and Groove Flanges:

Select the Chemlon 735 Joint Sealant nominal width that is equal to or less than the width of the groove.

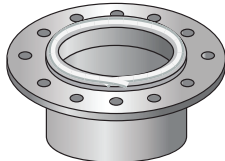
APPLICATION METHODS

Standard Flanges

Flat Face:

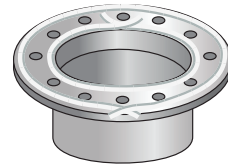


Raised Face:

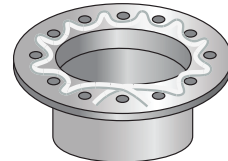


Fragile Flanges

To prevent flange rotation:

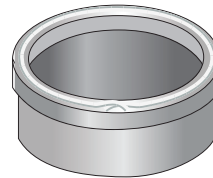


To minimize flange rotation:



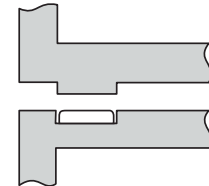
Manways

For self-energizing manways and access doors, please contact A.R. Thomson Group.



Tongue & Groove Flanges

To ensure proper gasket compression, the tongue must be equal to or taller than the groove depth:



TORQUING

Select torque as recommended by equipment manufacturer. Unless an alternative procedure is recommended, utilize the star bolting pattern and torque in three 30% of torque intervals and a final pass at 100% of torque.

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