

SMART

100% VIRGIN PTFE JOINT SEALANT SELF ADHERING GASKETING

SMART JOINT SEALANT

SMART JOINT SEALANT is a new marshmallow like product made of 100% PTFE (Polytetrafluoroethylene), which is developed by a highly specialised treatment.

SMART JOINT SEALANT has high tensile strength, flexible and tough properties, it has no drawback as seen in existing gaskets. Playing a sealing role firmly, easily and economically even under extremely severe corrosive conditions. SMART JOINT SEALANT is an almighty gasket packing, with superior chemical and heat resistance.

SMART JOINT SEALANT FEATURES ARE :

Quick, Easy, Efficient Installation

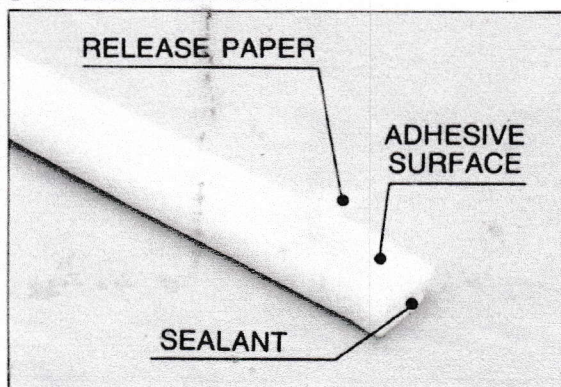
- Easy to install
- Self-adhering, strip allows accurate positioning
- Flanges part easily
- No scraping for removal
- Fills severe flange irregularities
- Highly compressible
- Only light flange bolting required

Long Services

- 100% PTFE - virtually inert and resistant to chemicals and corrosive materials (Except melted alkaline metals and fluorine gas at high temperature).
- Resists cold flow and creep
- No retorquing required
- Withstands high pressure - up to 3,000 psi
- Temperatures ranges from -200°C to +315°C (-400°F to +600°F)
- No age deterioration
- Non-contaminating

Cost Savings

- Just cut to length - no waste - no scrap
- No time spent cutting gaskets
- Less downtime
- A few sizes satisfy all requirements - inventory savings
- No labor lost in retorquing
- Unlimited shelf life



INSTALLATION

SMART JOINT SEALANT is a soft, pliable, flexible PTFE having an adhesive back for ease of installation on vertical and overhead surfaces.

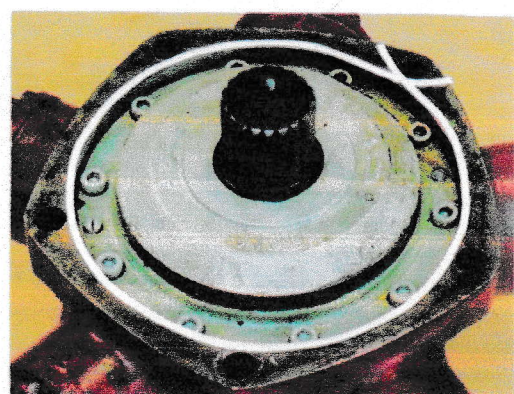
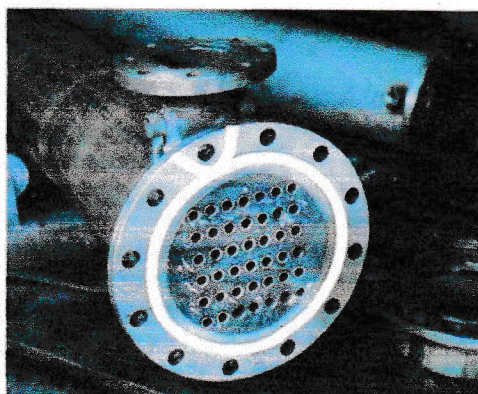
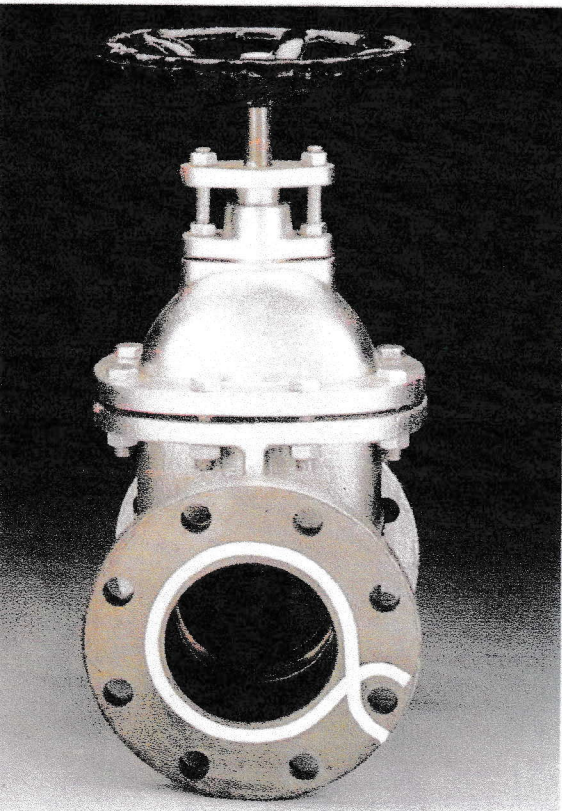
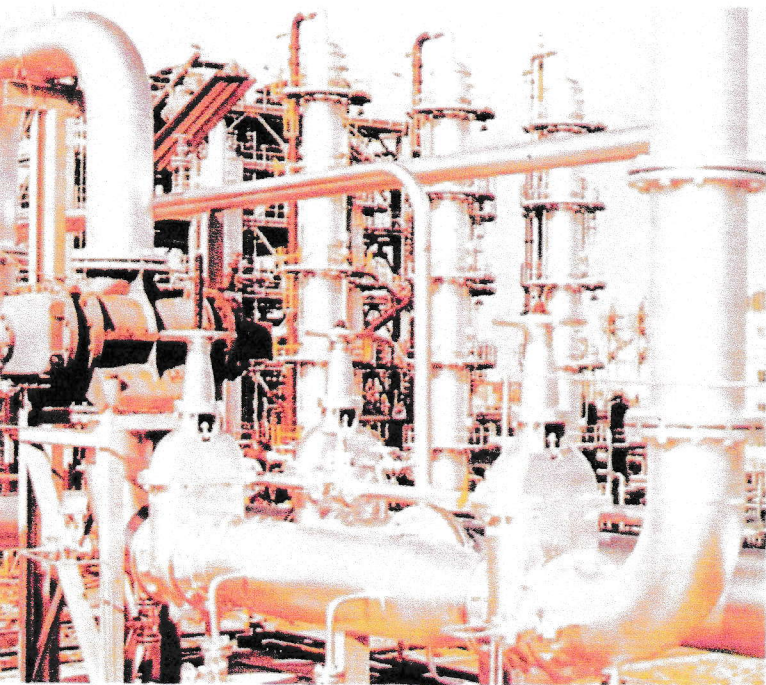
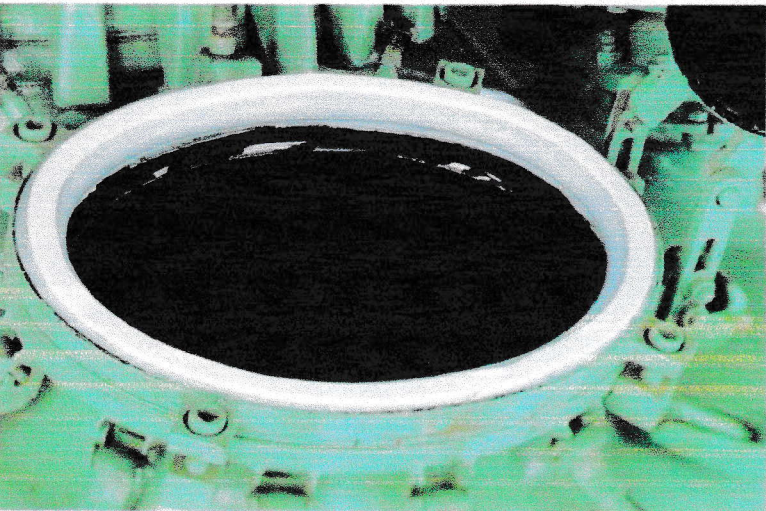
1. Clean flange, remove scale and other foreign materials.
2. Remove release paper from adhesive and apply tape to sealing surface in whatever configuration necessary, pressing lightly to stick and overlap the ends about 1/2 inch (12 mm) at the bolt hole.
3. Fit the flange to the opposite flange and tighten each bolt uniformly, following standard torquing procedure.



APPLICATIONS

SMART Gasket Tape is suitable for the following industries : Chemical, food and drinks, water and gas, petroleum, marine and power, building, agricultural, automotive, petrochemical, pharmaceutical and paper.

- Hydraulic, pneumatic and water supply systems.
- Steam vessels, pressure vessels and pipe flanges.
- Fan housings, ventilation and fume ducts.
- Manway flanges, manhole covers, concrete lids, cofferdam lids, porthole gaskets.
- Pump and compressor housing flanges.
- Heat exchangers, condensers, turbine and engine inspection covers, fuel injector gaskets.
- Joints in glass, ceramic, plastic and reinforced plastic, vessels, pipes and component.



STANDARD PACKS

| Width | | Thickness | Spool Length |
|--------|---------|-----------|--------------|
| Metric | English | Metric | Metric |
| 3mm | 1/8" | 1.5mm | 30M |
| 5mm | 3/16" | 2.0mm | 20M |
| 7mm | 1/4" | 2.5mm | 15M |
| 10mm | 3/8" | 3.0mm | 8M |
| 14mm | 1/2" | 5.0mm | 5M |
| 17mm | 5/8" | 6.0mm | 5M |
| 20mm | 3/4" | 7.0mm | 5M |
| 25mm | 1" | 10.0mm | 5M |

• Any sizes can be quoted.

• Round type may also be requested.

SMART

GASKET TAPE 100% VIRGIN PTFE

SMART GASKET TAPE

SMART Gasket Tape is made of belt type, pure, virgin PTFE (Polytetrafluoroethylene), which is an expanded form, having homogeneous structure characteristics. It is suitable for all types of flanges or instruments and combined with a self adhesive for easy application.

FEATURES

- Made of 100% virgin PTFE
It is corrosion resistant for all common chemicals (Except melted alkali metals and fluorine gas at high temperature).
- Seals through a wide temperature range from -200°C to +315°C (-400°F to +600°F).
- Withstands high pressure - up to 3000 psig.
- Will not contaminate flow material, it is suitable for drinks, pharmacy, paper manufacture and chemicals.
- Does not creep or cold flow, stable sealing performance is retained for long term.
- Sealable with low tightening force. Easy sealing performance on flange and duct made of glass-lining and F.R.P.
- Excellent weathering resistance - will not deteriorate with age.
- Quick and effective seal on uneven or damage rigid metallic gasket.

APPLICATION

SMART Gasket Tape is suitable for the following industries :
Chemical, food and drinks, water and gas, petroleum, marine and power, building, agricultural, automotive, petrochemical, pharmaceutical and paper.

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- Joints in glass, ceramic, plastic and reinforced plastic, vessels, pipes and component.



INSTALLATION INSTRUCTIONS

- 1) Select a tape width which is approximately 2/3 the width of the sealing surface.
- 2) Remove dirt, particles, scale and flow materials from the surface.
- 3) Lubricate the bolts and the underside of the nuts.
- 4) Remove release paper from the adhesive.
- 5) Apply tape to sealing surface in whatever configuration necessary, pressing lightly to stick, an overlapping the ends about 1/2 inch (12mm) at a bolt hole.
- 6) Tighten the bolts following standard torquing procedures.

STANDARD PACKS

Thickness divide in 4 sizes :

| English | 10 Mil | 20 Mil | 40 Mil | 65 Mil |
|---------|---------|--------|--------|---------|
| Metric | 0.25 mm | 0.5 mm | 1.0 mm | 1.65 mm |

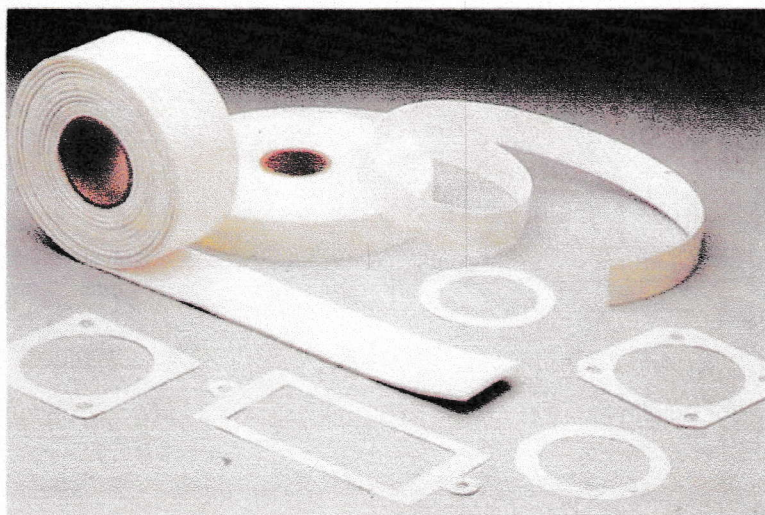
Width divide in 5 sizes :

| English | 1" | 2" | 3" | 4" | 6" |
|---------|-------|-------|-------|-------|--------|
| Metric | 25 mm | 50 mm | 75 mm | 100mm | 150 mm |

Length is available from 15 feet (=4.5M) to 50 feet (=15.2M)

Any sizes can be quoted.

NOTE : SMART TAPE REPLACES GORE-TEX®, SUR-TEF, SEALEX, VALQUA, CORD SEAL, INERTEX™, PERMANITE FLUOROSEAL & OTHER SEALING TAPE.



SIZE CONVERSION :

| | | | | | | | | |
|------|------|-------|------|-------|-------|-------|-------|-------|
| INCH | 1/8" | 3/16" | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | 1" |
| MM | 3 MM | 5 MM | 7 MM | 10 MM | 14 MM | 17 MM | 20 MM | 25 MM |

SIZE RECOMMENDATION FOR SMART VIRGIN PTFE JOINT SEALANT TAPE.

| NOMINAL PIPE SIZE (ANSI B16.5) | SMART VIRGIN PTFE JOINT SEALANT TAPE |
|-----------------------------------|---|
| 1/2" , 3/4" | 1/8" (3 MM) |
| 1" , 1-1/4" , 1-1/2" | 3/16" (5 MM) |
| 2" , 2-1/2" , 3" , 3-1/2" , 4" | 1/4" (7 MM) |
| 5" , 6" , 8" , 10" | 3/8" (10 MM) |
| 12" , 14" , 16" | 1/2" (14 MM) |
| 18" , 20" | 5/8" (17 MM) |
| 24" | 3/4" (20 MM) |

IN CASE OF NON-STANDARD FLANGES, DAMAGED FLANGES, OR BIGGER THAN 24", THE SIZE RECOMMENDED IS HALF OF THE SEALING SURFACE'S WIDTH IN VIEW OF THE TECHNICAL SAFETY FACTOR.