

# Fluidseal

## EXPANDED PTFE JOINT SEALANT

### READI-SEAL™



**Soft & Conformable**

**100% virgin Expanded PTFE**

**FDA Compliant**

**Easy Installation & Removal**

## The Universal Gasketing Material

Readi-Seal™ form-in-place Joint Sealant is ideal for a wide variety of sealing applications, including :

- Raised Face & Flat Face Flanges
- Metal, Plastic & Glass-Lined Flanges
- Rough, Scratched, Pitted & Otherwise Damaged Flanges
- Round, Oval, Rectangular, Complex & Irregular Flanges
- Pump & Compressor Housing Flanges
- Boiler & Pressure Vessel Manholes & Handholes
- Heat Exchangers
- Misc Lids, Access Plates, Ducts, etc.

### Specifications & Testing

<b>Temperature Range</b>	-450 °F to +600 °F (-268 °C to +316 °C)
<b>Pressure Range</b>	≤ 3000 psi (≤ 210 bar)
<b>pH Range</b>	0-14
<b>Pressure x Temperature (psi x °F), max</b>	350 000
<b>FDA Compliant</b>	PTFE to 21 CFR 177.1550 Adhesive to 21 CFR 175.105
<b>Independent Laboratory Testing</b>	ATSM F36 Compressibility 64-69%
	ATSM F38 Creep Relaxation 38-40%
<b>In-House Testing</b>	5,500 psi Hydraulic Pressure 1/4" Material – 1,000 hrs without leakage



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**Redi-Seal™** Expanded PTFE Joint Sealant is a soft, compressible gasketing material made of 100% pure, expanded PTFE. It is a form-in-place gasket that conforms to almost any sealing surface. Upon compression, it forms a thin, hard ribbon that fills in surface irregularities and creates an extremely tight seal. It is capable of withstanding a wider range of pressures, temperatures and chemical environments than any other soft gasket.

Redi-Seal™ can be used in just about any accessible bolted joint that features a flat or serrated sealing surface. It is also easy to install and remove, making it a highly versatile and cost-effective solution for many demanding sealing applications.

## Features

**Form-In-Place** – conforms to any surface, including rough, pitted, scratched and damaged surfaces.

**Flexible** – can be installed on round, oval, rectangular and complex surfaces.

**Chemically Resistant** – made without fillers or binders, made of 100% PTFE; compatible with almost any process fluid (except molten alkalis and elemental fluorine)

**Adhesive-Backed** – convenient adhesive strip and peel-off backing allow easy installation on both horizontal and vertical surfaces.

**Redi-Seal™** has an **Unlimited Shelf Life**, shows **No Age Deterioration**, and **Resists Creep & Cold Flow**

Ref.Number	Width	Length
JS0125-50	1/8"	50 FT
JS0125-100	1/8"	100 FT
JS0125-500	1/8"	500 FT
JS0187-75	3/16"	75 FT
JS0187-150	3/16"	150 FT
JS0187-750	3/16"	750 FT
JS0250-50	1/4"	50 FT
JS0250-100	1/4"	100 FT
JS0250-500	1/4"	500 FT
JS0375-25	3/8"	25 FT
JS0375-50	3/8"	50 FT
JS0375-250	3/8"	250 FT
JS0500-15	1/2"	15 FT
JS0500-30	1/2"	30 FT
JS0500-150	1/2"	150 FT
JS0625-15	5/8"	15 FT
JS0625-30	5/8"	30 FT
JS0625-150	5/8"	150 FT
JS0750-15	3/4"	15 FT
JS0750-30	3/4"	30 FT
JS0750-100	3/4"	100 FT
JS1000-15	1"	15 FT
JS1000-30	1"	30 FT
JS1000-75	1"	75 FT

## Installation Instructions

1. Select a Redi-Seal™ Joint Sealant width that is 1/3-1/2 the width of the sealing surface.
2. Clean sealing surface.
3. Cut off a length of Redi-Seal™ that is several inches longer than the circumference of the seal surface.
4. Remove the peel-off backing.
5. Press the Redi-Seal™ into place, beginning at or near a bolt hole. Apply to center of the seal surface, overlapping the ends in an "X" fashion.
6. Bolt up mating surfaces, using normal bolt torques and proper tightening procedures.



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