

### FSR 175

#### 100% Twineflon® Sealing cord for threaded joints

#### APPLICATION

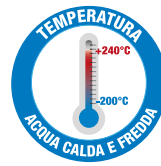
Professional sealing for metal or plastic threaded joints, mainly used for mechanical applications.

#### FEATURES AND BENEFITS

- > FSR 175 is a **dynamic monofilament sealant** which perfectly fits the thread during installation. It adjusts its shape in order to create a film with the same thickness needed to get a **perfect sealing** between the two pipe ends.
- > **Highly resistant** to most aggressive chemicals, solvents, fuels and acids.
- > It can be used within a wide range of temperatures: **from -200°C up to +240°C**.
- > It is **not flammable**.
- > It has **no expiration date**.
- > It is made of **100% Twineflon®**, which guarantees a **highly superficial resistance** to fungal and bacterial growth, enzymes and microbes attack, fouling and oxidations.
- > It remains stable in the long term, **it doesn't dry out**.
- > It can replace any sealant or tape on any kind of thread.
- A single product for any use.**
- > **No effects** on the process fluids with which it gets into contact inside the pipes.
- > Being made of Twineflon®, it doesn't require the presence of additives in order to guarantee its sealant function.

#### CERTIFICATIONS

- > **DIN-DVGW** - it is approved for use with **gas and water**, in compliance with EN751-3 FRp, GRp and DIN 30660 (NV-5143BP0261) regulations.
- > **DIN-DVGW** - it is tested and approved for **pipes fixing, up to 45°**.
- > **DVGW** - it is tested and approved for **up to 100 bar pressure**, in compliance with the EN751-3 testing register (tested at 23°C).
- > **TZW** - it is tested and approved for **hot and cold water**, in compliance with the recommendations provided by the German Ministry of Health.
- > **BAM** - it is tested and approved for **installations with 30 bar gaseous oxygen and 100°C** (used without assembly adjuvants, II-2742/2004E).
- > **BAM** - it is tested and approved for **installations with 30 bar liquid oxygen and 100°C** (used without assembly adjuvants, II-2742/2004E).
- > **WRAS** - it is included in the **Water Regulations Advisory Scheme U.K.** for use with hot, cold and drinking water (Rif. 0212515).
- > **ASTM F423 - Steam & Cold Water Cycle Test** - approved to be used with **up to 9 bar steam and 175°C**.
- > **UL tested according to 1321 standard** for installations with gasoline, petroleum oils, naphtha, propane, butane, benzene, kerosene and natural gas (< 300 psig).



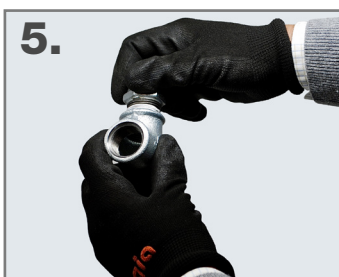
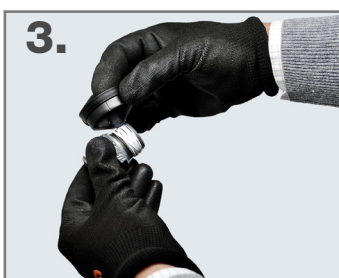
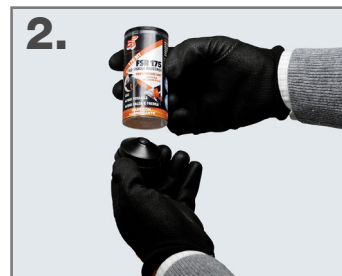
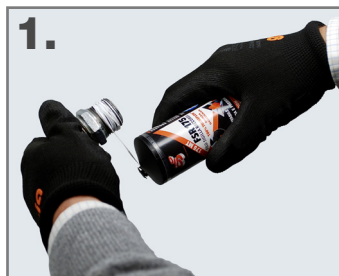
COD	TYPE	Length
155500	FSR 175	175 mt

# ANCHORS AND SEALANTS

## SEALANTS AND CHEMICAL ANCHORS

### INSTALLATION

1. Starting from the far end of the joint, **wind up FSR 175 following the direction of the thread**, while keeping it tense and overlapping it frequently.
2. When needed, **apply 2-3 drops of installing lubricant** (included in the spool) on the Twineflon® cord, and spread it with fingers. It is a safe and biodegradable fluid.
3. Apply as much product as you need in order to perfectly seal the extremity of the pipe.
4. **Adjust the amount of windings** according to the thread and the pipe's dimension.



Joint diameter	Windings amount	
	Metal	Plastic
Ø		
1/2"	6-10	12-18
3/4"	8-12	15-24
1"	9-14	20-28
1 1/2"	10-16	24-34
2"	16-26	-
2 1/2"	20-32	-
3"	25-36	-
3 1/2"	30-42	-
4"	35-47	-

The values included in the chart as "windings amount" are just an indication, they are not meant to be specific guidelines.

In case joints weren't compliant with ISO 7-1, EN 10226 (DIN 2999-1 BSPT), the amount of windings may change considerably.

In order to install the product properly, the amount of windings must be always adjusted according to the technician needs and the kind of application.

### MATERIAL

100% Twineflon  
PTFE - Polytetrafluoroethylene

### PACKAGING

FSR 175 is supplied in a 175 mt spool, provided with a covered cutting system - which allows you to cut the wire at 360° - and an integrated pod containing the installing lubricant.  
The spools are supplied in a 12 pieces cardboard box.

### DATE 06-2023 REV. 01

The current technical data sheet substitutes and cancels the previous ones. The details provided fit our current knowledge of the product. It cannot lead us to any sort of responsibility or compensation.

Gia S.p.A. reserves the right of changing technical features and molds without notice.

This company is subject to "Ethica Global Investments S.p.A." management.

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