

INSTRUCTIONS FOR USE

(Compliant with the requirements of standard EN 751-3 §8.2)

Concerned product :

PTFE sealing tape

1. Scope of use

PTFE sealing tape is intended for **sealing threaded metal fittings** used in:

- drinking water installations
- hot and cold water systems
- heating systems
- inert or combustible gases (only if the tape is certified for this use)
- industrial fluids compatible with PTFE

It must not be used on:

- plastic fittings (risk of cracking due to over-tightening)
- systems subject to excessive vibrations without a locknut
- heavily damaged tapered threads

2. Material compatibility

PTFE tape is compatible with most metals:

- steel
- brass
- copper
- stainless steel

It is chemically inert with respect to most fluids, except in extreme conditions (temperature >260°C or very high pressure).

3. Thread preparation

Before application:



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- ensure threads are clean, dry, and undamaged
- remove any traces of oil, grease, or old tape
- verify that the thread complies with the applicable standard (e.g. ISO 7-1, ISO 228-1).

4. Application method

- 1) Position the end of the tape on the **first thread** of the male fitting
- 2) Wrap in the **direction of tightening** (clockwise when viewed from the front)
- 3) Apply with **regular tension** to ensure adhesion
- 4) Make **6 to 12 windings** depending on tape width, thread diameter and metal roughness
- 5) Lightly smooth the tape with your fingers
- 6) Screw the fitting **without turning back**

5. Conditions of use

- Operating temperature: **-200°C to +260°C** (depending on grade)
- Maximum pressure depends on diameter and fluid: refer to the manufacturer's specifications.
- Do not use with **gaseous fluorine** or molten alkali metals

6. Safety and precautions

- Do not inhale fumes from PTFE above 300°C
- Avoid contact with very hot surfaces
- Keep out of reach of children
- In case of leakage, **never tighten while hot**: let cool, disassemble, clean, and reseal

7. Storage

- Store in a dry place away from direct light
- Recommended storage temperature: **23°C**
- Protect from dust and contaminants

8. Disposal



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PTFE is an inert material

- Dispose according to local regulations for non-hazardous industrial waste
- Do not burn

9. Responsibility and compliance

This sealing tape meets the performance requirements of **EN 751-3** for non-hardening materials intended for metal threaded joints. The user must ensure suitability for the intended application.