

Weicon Thread Sealing Cord DF175 is a revolutionary, patented alternative to conventional thread sealing tapes. This product is made from 100% pure PTFE and exhibits outstanding chemical and temperature resistance and can be used to seal almost all plastic and metal threaded connections.

Each container of PTFE Thread Sealing Cord contains 175 metres of cord as well as roll-on lubricant (in the base) and a cutting tool (at the top) to make application easy.



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Applications

Typical applications for this thread sealing cord include:

- Anywhere conventional Thread Seal tapes were used.
- Sealing almost all plastic and metal threads.
- Sealing ducts and pipes transferring extremely aggressive media.
- Sealing drinking water, food, liquid oxygen, propane, butane and chemical lines.
- Anytime a slight unscrewing of the connection (up to 45°) needs to be allowed for without weakening the seal.

Technical Details

Property	Value
Construction	100% Pure PTFE
Temperature Resistance	-200°C to +240°C
Non-Flammable	Yes
Minimum Shelf-Life	24 Months

Technical Description

Weicon PTFE Thread Sealing Cord DF175 is made from 100% pure PTFE and, as a result, exhibits none of the issues sometimes associated with traditional forms of threadseal tapes. These tapes are often manufactured from a PTFE sealing layer combined with a carrier material which can lead to separation of the two layers over the course of sealing lifetime and result in a compromised seal. Thread Sealing Cord DF175 is only PTFE, all of it performs the sealing task and eliminates this risk.

Weicon PTFE Thread Sealing Cord DF175 creates a permanent seal by compensating for the intermediate space on threads and uses the force generated from the screwing of the threaded connection to create a PTFE film in the exact thickness required to affect a seal. This seal will allow some flexibility after formation and has been tested and found to allow unscrewing of up to 45° while maintaining the seals integrity.

PTFE Thread Sealing Cord DF175 exhibits excellent resistance to aggressive media and can be minimises the chance of problems due to incorrect application due to its ability to tolerate randomised wrapping of the threaded connection.

Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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Approvals and Recognitions

Weicon PTFE Thread Sealing Cord DF175 has been tested and approved by a wide range of international organisations for use in various applications. These include:

- DVGW Approval for Gas Sealing according to DIN EN 751-3 FRp and GRp and DIN 30660
- DVGW certified for unscrewing up to 45°C without compromising seal performance.
- Drinking water tested according to the KTW recommendation of the German Health Authority.
- ASTM F423 tested for steam and cold water.
- UL Listed (19BN File MH26734) sealing material for use in pipelines up to 1 ½" in combination with petrol, petroleum, butane, propane and naphtha (<300 PSIG).
- BAM Tested for oxygen, gaseous up to 30 bar at 100°C (application with lubricant).
- DVGW tested up to 100 bar according to DIN EN 751-3 FRp and GRp at room temperature.
- WRC (potable water) approval for Great Britain.
- KWA Gastec Qa (NL): nom. 31, Class "20"

Application Guide

1. Begin winding Weicon PTFE Thread Sealing Cord DF175 from the beginning of the pipe in the direction of the thread while overlapping randomly).
2. Ensure enough sealing cord has been applied at the very beginning of the thread.
3. Apply 2-3 drops of (the supplied) lubricant to the thread and spread across the sealing area. The lubricant is harmless and biodegradable but should not be used when sealing oxygen lines.



Observe the following guidelines for different size threads.

Threads up to 12.5mm (½") Diameter

12 wraps for fine threads, 18 wraps for coarse threads.

Threads up to 40mm Diameter (1 ½") Diameter

16 wraps for fine threads, 24 wraps for coarse threads.

The number of wraps must be adjusted to the diameter of the thread.

Available Sizes

Weicon Thread Sealing Cord DF175 is available in just the one size pack.

Each pack container contains 175 Metres of cord and a small amount of lubricant (located in the base of the container). A safety cutting tool is also included at the top of the container to make application simple and easy.

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