

Thread Sealing Cord DF 175

WEICON DF 175 is a patented thread sealing cord made of 100% PTFE that seals almost all metal and plastic threads permanently and safely. WEICON DF 175 reliably compensates the intermediate space on the threads and creates a PTFE film in the required thickness during the screwing procedure. WEICON DF 175 is durable for an unlimited period of time and stays permanently soft and elastic.



Description

WEICON DF 175 is used

- for almost all sealing of plastic and metal threads
- for ducts and pipes in which extremely aggressive media are transported
- in connection with gaseous or liquid media, such as oxygen, propane, butane and many more
- extremely resistant to almost all chemicals, even the most aggressive solvents, caustic agents, and acids
- in the area of drinking water
- in extreme temperature ranges between -200°C (-328°F) and +240°C (+464°F)
- in the area of solar applications
- wherever an unscrewing of the connection (tested up to 45°) without weakening of the sealing effect is required

Processing

Wind up the sealing cord from the beginning of the pipe in direction of the thread, overlapping randomly. Make sure that enough material has been applied at the beginning of the pipe. Apply 2-3 drops of the lubricant (in the removable bottom) on the sealing thread and spread it with the fingers on the sealed area. The lubricant is harmless and biodegradable (do not use lubricant in combination with liquid oxygen).

Observe the following guideline:

½" - 12 (fine thread) to 18 (coarse thread) windings

1½" - 16 (fine thread) to 24 (coarse thread) windings

The number of windings must be accordingly adapted to the diameter of the pipe.

Approvals and Certificates

- DVGW for gas according to DIN EN 751-3 FRp and GRp and DIN 30660
- Unscrewing up to 45° tested and certified by DVGW
- Drinking water test according to the KTW recommendation of the Bundesgesundheitsamt (German Health Authority)

- DVGW test up to 100 bar according to DIN EN 751-3 FRp and GRp at room temperature
- BAM-tested for oxygen, gaseous up to 30 bar/+100°C (application with lubricant)
- BAM-tested for oxygen, liquid up to 30 bar/+100°C (application without lubricant)
- WRC approval for Great Britain
- UL-listed: sealing material 19BN File MH26734, up to max. 1½", for pipelines in combination with petrol, petroleum, propane, butane, naphtha, gas (<300 psig)
- ASTM F423 tested for steam and cold water
- KIWA GASTEC Qa (NL): norm. 31, Class "20"

Note

WEICONLOCK adhesives and sealants generally do not cause allergic reactions of the skin. However, in isolated cases where skin is continuously bruised or micro-lacerated sensitisation may occur. Therefore, extensive and direct contact with the skin should be avoided, e.g. by use of WEICON Hand Protective Foam. See further details in the Material Safety Data Sheets which are available upon request.

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility. This information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

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