



TANGIT

Unilock

Technical Data Sheet v.3, January 2026

CHARACTERISTICS

- Easy to use thread sealing cord for immediate sealing of water, gas and compressed air systems
- Precoated, multifilament polyamide cord, formulated without PFAS ingredients
- For sealing threaded components (ISO 7-1) such as pipe couplings and fittings with tapered/cylindrical threads
- Metal Thread max. 4"; Plastic Thread max. 1 1/2"
- Adjustable up to 45°

APPROVALS

The product was tested and found to conform to EN 751-2 for an ARp class sealant. This forms the basis for the DVGW approval. According to KTW-BWGL evaluation criteria Tangit UNI-LOCK has in its assemblies a negligible contact with drinking water (product group P4), the influence on drinking water quality is negligible.



RESISTIBILITY

Resistant to 1st, 2nd and 3rd family gas (3rd family only in the gas phase), hot and cold water, gas condensates and compressed air. Not suitable for use with pure oxygen and/or oxygen-enriched systems, chlorine, glycol, strongly oxidizing media as well as fuels, diesel or heating oil.

APPLICATION FIELD

Tangit UNI-LOCK pipe sealing cord is a general-purpose sealant for threaded pipes. It is used for sealing threaded components (ISO 7-1) such as pipe couplings and fittings with tapered/cylindrical threads. The application range includes cold and hot water supply pipes (up to 130°C) as well as gas pipes. The cord is particularly suited for threaded joints that require immediate tightness after assembly and may need small readjustments before use. Metal Thread 4". Plastic Thread max. 1 1/2".



INSTRUCTIONS FOR USE

Preparation of the pipe thread

- Metal threads must be cleaned with a brush and roughend, if necessary.

Application of the sealing cord

- First, place the cord laterally onto the thread, then wind the cord in the same direction as the thread helix (across the lateral cord), starting from the end of the pipe.
- To ensure optimum performance, the grooves of the thread should be filled without completely masking the pitches of the thread.
- The cord can be cut off with the integrated cutting edge.
- The cord is spirally wound inside the dispenser.
- Therefore, it can be easily pulled out and applied onto the thread.
- Make sure that the cord is wrapped around the thread with a certain tension.

TECHNICAL DATA

Composition	Cord: Polyamide Coating: Inert, silicone-containing paste (proprietary)
Temperature & pressure resistance	gas: -20°C to 70°C, <= 5 bar hot water: up to 130°C, <= 7 bar drinking water: up to 85°C, <= 16 bar
Consumption	See the table below
Shelf life	The shelf life is at least 60 months. Manufacturing date is displayed on the dispenser.

PACKAGING

TIF 80	Dose 80m
TIF 31	Dose 160m

CONSUMPTION

Pipe diameter, metal	Number of wraps*	Max. number of joints (160 m spool)
1/2"	6 - 8	400
3/4"	7 - 9	275
1"	8 - 12	192
1 1/2"	10 - 15	105
2"	15 - 25	57
2 1/2"	20 - 30	34
3"	25 - 35	23
3 1/2"	30 - 40	17
4"	35 - 45	12
*These are guide values. In the case of threads not produced according to DIN 2999-1 resp. ISO 7-1, the number of wraps can vary. When sealing plastic threads, the number of wraps will double.		

LIMITATIONS

STORAGE

The dispenser should be kept closed before use. Best before 60 months. In the case of long-term storage, the dispensers must be kept in a cool and dry place. For further information on product service life contact your local Technical Service Center.

HEALTH AND SAFETY

It is recommended to consult the current Safety Data Sheet before application for precautionary and safety information. The Safety Data Sheet is available at www.mysds.henkel.com.

Information for allergy sufferers: Tel. +49 (0)211 797 0 (keyword: emergency).

QR Code for safety instructions:



DISPOSAL

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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