

TECHNICAL DATA SHEET



WIKO® 02K43UF medium-strength



ANAEROBIC ADHESIVES USER-FRIENDLY LINE THREADLOCKER

The product cures (polymerises) in the absence of atmospheric oxygen (anaerobic) and under the catalytic effect of the metal (metal contact).

WIKO® 02K43UF seals and closes many types of screw connections.

Compared to conventional anaerobic adhesives, USER-FRIENDLY LINE products are completely label-free. In addition to a longer shelf life of 24 instead of 12 months, they also offer the user improved storage stability as well as increased temperature resistance of up to +180° C in use.

- DVGW approval (DIN EN 751-1 Class H)
- fast curing on a wide range of ferrous metals
- high resistance to vibrations
- secured screws moderately difficult to dismantle with tools
- increased oil compatibility

Technical Properties of Uncured Product

Chemical Base:	Modified Acrylate
Colour:	Blue, fluorescent
Viscosity ¹⁾ [mPas]:	1.500 to 4.000
Density ²⁾ [g/ml]	1,08 to 1,10
Max. Thread Diameter:	M36
Flashpoint ³⁾ [°C]:	> +65
Application Temperature [°C]:	10 to 40

1) At 25 °C, Brookfield viscometer

2) Measured according to DIN 53217, part 2 density sphere model 475/III

3) Measured according to DIN 51755

Curing Properties⁴⁾

Handling Cure Time [min]:	5 to 15
Functional Cure Time [h]:	3 to 6
Final Strength After [h]:	12 to 24

4) According to GLUETEC test method for anaerobic adhesives

Technical Properties of Hardened Product

Breakaway Torque [Nm]:	15 to 25
Temperature Resistance [°C]:	-55 to +180

Sizes

WIKO® 02K43UF is available in a 50 ml accordion bottle or a 250 ml bottle.

Accessories / Article Number

WIKO® ANAEROBIC ACTIVATOR 200 ml Aerosol can	106030
WIKO® INDUSTRIAL FAST CLEANER 400 ml Aerosol can	100134

Storage & Durability

The shelf life is, at the optimum storage temperature of +5 °C to +23 °C in the closed original container, a maximum of 24 months. A higher storage temperature leads to a significantly lower durability. The storage temperature must not fall below +5 °C.

Information about Application

The threadlockers medium-strength are not suitable for: Metal-plastic flange connections, in areas where gaseous oxygen is used, and sealing against media with strongly oxidizing acids.

The product is to be used only on standard metal threads. The affected surface must be free of grease and completely clean. For this purpose, the degreaser WIKO® INDUSTRIAL FAST CLEANER should be used. Then completely fill the gap between the two parts with the threadlocker, put the parts together and seal them completely. Insufficient sealing may cause leakage after a certain time. Do not move the parts once the curing process has started.

Before start-up, allow the bonding to cure completely for 24 hours. In the case of series production, lock or lock the bonding with a pipe wrench to prevent the layer already in the curing process from breaking open. In case of passive surfaces and/or low temperatures, fast curing can be achieved by using WIKO® ANAEROBIC ACTIVATOR. Before using the product, please consult the Safety Data Sheet. When using the activator, a 15% reduction in strength must be expected.

TECHNICAL DATA SHEET



Safety data sheets

Please refer to the current data sheet for safety relevant data.
Click or scan the QR code.



Note:

Please note the information and notes in our respective safety data sheets. The data contained herein are for informational purposes only and are believed to be accurate to the best of our knowledge. We assume no liability for the results. For optimum functionality of the adhesive system, please only use the cartridge and mixer systems tested and released by GLUETEC. The product is only suitable for professional and experienced users. It is the user's own responsibility to take precautions to protect property and people from the hazards that may be encountered in handling and using these products. Accordingly, GLUETEC specifically disclaims any warranty, expressed or implied, including any warranty or suitability commitments for a particular purpose. In particular, GLUETEC disclaims all liability for consequential or indirect damages of any kind.