

THREAD LOCKER

DESCRIPTION

The Sealant THREAD LOCKER is produced from our latest non-hazardous technology incorporating a bespoke group of high purity raw materials. This unique future-proof technology ensures that the product label requires no hazard symbols or risk and safety phrases, and enables the product to comply with even the most stringent health and safety requirements.

Anaerobic sealant for threaded metallic accessories. Reacts with every type of metals and in absence of air, producing a flexible film that withstands pressure and temperature.

Anaerobic is a slow curing pipe-sealant that provides a non-shrink, instant low pressure seal.

PROPERTIES

- Trixotropic properties that prevent sealant migration before and during its curing.
- High resistance to temperature, corrosion, vibrations, water, gases, oil, hydrocarbon and to the majority of chemicals.
- Instant sealing for pressure up to 30 bar; gives a flexible film that avoids leaks, substituting PTFE tape and hemp.
- Easily dismantling, even after some years.
- Not suitable for plastics (PVC, polythene, polypropylene, etc.).

APPLICATIONS

Adhesive specially indicated for:

- Metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water. Certified product in accordance with the specifications of EN 751-1: Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water. part 1: Anaerobic jointing compounds”
- Installations for the supply of cold and hot water.
- Heating and refrigerating installations. Suitable for installations with working conditions between 0 °C and 110 °C with peaks till 120 °C and a pressure of 10 bar.
- Certified for drink water by DGWV-TZW (Germany) and WRAS (UK).

TECHNICAL CHARACTERISTICS

- Non-cured material properties:

Viscosity (Brookfield RVT, 20 rpm, Sp.3) a 23 °C	Aprox. 25.000 mPa s
colour	Yellow

- Cured material properties (24 hours, at 23°C and 55% de R.H.)

Filling capacity	0,50 mm	
Maximum thread	See table with materials below	
Torsion resistance	Break torque	8-11 N/mm
	Prevailing torque	4-6 N/mm

Temperature range	-53°C to +148°C
Temperature for installation	Superior to 0°C
Operating temperature	-30°C at 110°C (120°C in peak)
Pressure Resistance	30 bar at 20°C 10 bar at 110°C (120°C in peak)
Handling time	15-30 minutes
Functional resistance	1-3 hours
Final resistance	24 hours
Resistance	Medium

- Sealing properties in accordance with requirements of the standard EN 751-1.

Requirement EN 751-1	Description	Result
7.2.1.2	Air tightness test	Does not leak
7.2.1.3	Air tightness test after fitting (repositioning)	Does not leak
7.2.1.4	Test for resistance to gas condensates	Does not leak
7.2.1.5	Test for resistance to hot water	Does not leak
7.2.1.6	Cycling test for temperature changes	Does not leak
7.2.1.7	Vibration test	Does not leak
7.2.2	Test for the compability with products for testing air-tightness that produce foam	Approved
7.2.3	Hardening and dismantling test	Approved

- Chemical resistance

Chemical substance	Joint resistance	
	Short time	Long time
Motor oil	Excellent	Excellent
Lead-free petrol	Normal	Normal
Brake fluid	Normal	Normal
Water / Glycol (50% - 50%)	Excellent	Excellent
KOH at 50%	Excellent	Excellent
Hydrogen chloride	Normal	Normal
Acetone	Normal	Regular

INSTRUCTIONS FOR USE

Both the pipe and the accessory must be dry, clean and free of rust, dust or grease. First apply a string of Sealant THREAD LOCKER at the end of the male piece and screw it in, removing any excess adhesive with a cloth. Pieces can be manipulated after 15 - 30 minutes without affecting curing, depending on the gaps between the parts to be bond. After 1 - 3 hours the installation can be used, although the adhesive finishes curing after 24 hours. The curing time may change depending on the ambient temperature and the materials where the adhesive is applied.

- **CAPACITY:**

As a guide, 50 mL of Sealant THREAD LOCKER is enough for sealing 150 ½ “threads.

STORAGE

Stored in its original container and in a cool, dry place, this product maintains its properties according to the following chart.

CONTAINER	PREFERENTIAL PERIOD USE
Plastic bottle	18 months

PRESENTATION

Visit our web site www.unecol.com

CLEANING

Fresh product can be cleaned easily with a cloth.

SAFETY AND HYGIENE

For more information consult product safety sheets.

The above mentioned data are based on our experience and knowledge, but in any case should be understood as specifications. The final user has the responsibility to check out suitability of provided information, accordingly with the specific use of the product.



CERT

DVGW-Baumusterprüfzertifikat DVGW type examination certificate

DG-5146DL0042

Registrierungsnummer
registration number

Anwendungsbereich <i>field of application</i>	Produkte der Gasversorgung <i>products of gas supply</i>
Vertreiber <i>distributor</i>	Unecol Adhesive Ideas, S.L. Pol. Ind. Juan Carlos I, Av. de la Foia, 44, E-46440 Almussafes, Valencia
Produktart <i>product category</i>	Schmier-/Dicht-/Betriebsmittel: Dichtmittel für herstellereitig zusammengefügte Gewindeverbindungen in Gasgeräten und Komponenten (5146)
Produktbezeichnung <i>product description</i>	Anaerobes Dichtungsmaterial für metallene Gewindeverbindungen in Gasgeräten und Gasanlagen, nicht zulässig für die Verwendung in der Gas-Installation nach DVGW-TRGI 2018
Modell <i>model</i>	Sellador Roscas Metalicas
Prüfberichte <i>test reports</i>	Baumusterprüfung: 19-00165 vom 14.02.2020 (EBI)
Prüfgrundlagen <i>test basis</i>	DIN EN 751-1 (01.05.1997)
Ablaufdatum / AZ <i>date of expiry / file no.</i>	14.02.2025 / 19-0646-GNE

1000003

10.03.2020 Rie C-1/2

Datum, Bearbeiter, Prüfl., Leiter der Zertifizierungsstelle
date, issued by, client, head of certification body

DVGW CERT GmbH ist von der DAKKS nach DIN EN ISO/IEC 17050:2013 akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und Wasserversorgung.

DVGW CERT GmbH is an accredited body by DAKKS according to DIN EN ISO/IEC 17050:2013 for certification of products for energy and water supply industry.



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DG-5146DL0042

Typ <i>type</i>	Technische Daten <i>technical data</i>	Bemerkungen <i>remarks</i>
Sellador Roscas Metalicas	Klasse: H	für Nennweiten > DN 10 bis DN 50

Verwendungshinweise / Bemerkungen

hints of utilization / remarks

Nicht zulässig für: Verwendung in der Gasinstallation nach DVGW-TRGI 2018