



Threadlocker - strong

KAVAN · red · high strength · 10 ml
Instructions for use



Read these instructions completely before first use. This threadlocker is intended for metal-to-metal threaded joints only. The product is intended for persons aged 14 and over. Keep out of the reach of children.

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1. Product description

1.1 What it is for

The KAVAN threadlocker – red is a **high-strength** agent for securing metal-to-metal threaded joints up to thread size M20. It is an anaerobic adhesive: curing occurs through a combination of two factors – an air-free environment (inside the thread once the screw is tightened) and the catalytic action of metals.

It is intended for high-strength joints that are **not expected to be disassembled**. Once cured, the joint has a high resistance to vibration, water, lubricants and many chemicals. The joint can be disassembled after heating (Chapter 2.4). It can be used on screws and nuts as supplied from the factory, without prior cleaning.

✳ **For joints that you will want to loosen routinely later, use a medium-strength threadlocker.**

1.2 Package description



①	transparent cap of the dispensing tip
②	bottle closure
③	10 ml bottle with label (name, strength, EAN)

1.3 Technical data

Manufacturer code	KAV56.9971 (EAN 8596450061798)
Type	anaerobic thread-locking adhesive, high strength
Colour	red fluorescent
Max. thread diameter	M20
Viscosity	400–600 mPa·s
Density	1.09–1.13 g/cm ³
Resists hand loosening	within 15 min
Fixed joint	3–6 h
Full strength	12–24 h
Holding torque	> 35 Nm
Temperature range	–55 °C to +180 °C
Classification	not classified as hazardous within the meaning of Regulation (EC) No 1272/2008
Package contents	1 × 10 ml bottle
Not included	screws, tools

2. Use

2.1 Preparing the joint

The product is intended for metal-to-metal threaded joints only. It is **not suitable** for metal-plastic, metal-wood etc. joints or for contact with acids with strong oxidising properties.

- Screws and nuts can be used as supplied from the factory, without prior cleaning. Clean a dirty or oily thread and let it dry.
- Remove any residue of old threadlocker from the thread so that the screw can be driven in without resistance.

2.2 Applying and tightening

- ① Remove the cap and apply a small amount of threadlocker to the screw thread where it will engage with the mating part.
- ② Drive in and tighten the screw in the usual way. Wipe off any excess that has squeezed out of the joint – outside the thread, with access to air, it will not cure.
- ③ Close the bottle tightly immediately. Do not touch metal parts with the dispensing tip.

Make sure the product does not get onto plastic parts, into bearings or onto other components that are meant to move freely.

2.3 Curing

Joint condition	Time after tightening
Resists hand loosening	within 15 min
Fixed joint	3–6 h
Full strength	12–24 h

Put the product (e.g. a drone) into operation and expose it to vibration only after the joint has reached full strength.

2.4 Disassembling the joint

A joint secured with the high-strength threadlocker cannot normally be loosened with tools. First heat the joint and loosen it while it is still warm. When heating, take care not to damage surrounding parts (plastics, cables, electronics, motor magnets) and protect yourself against burns. Before reassembly, remove the residue of cured product from the thread.

2.5 Safety, storage and shelf life

- The product is intended for persons **aged 14 and over**. Keep out of the reach of children.

- The product is not classified as hazardous within the meaning of Regulation (EC) No 1272/2008. Nevertheless, avoid contact with skin and eyes, wash your hands after work and do not eat, drink or smoke while working.
- **Storage:** in a tightly closed container, in a cool, dry and dark place, at a temperature of +5 °C to +23 °C. Do not expose to temperatures below +5 °C.
- **Shelf life:** under the correct storage conditions, the manufacturer guarantees a shelf life of 1 year in the unopened original packaging while maintaining the stated product properties.

3. Information for the EU and Czech Market

European Union regulations apply in all Member States, but national regulations differ from country to country. The information in Chapters 3 and 4 describes the situation in the Czech Republic. If you use the product in another country, follow the regulations of the country in which you use it.

3.1 Manufacturer and seller

Manufacturer / responsible person in the EU	KAVAN Europe s.r.o.
Company ID (IČO)	178 33 914
VAT ID (DIČ)	CZ17833914
Registered office	Doubravice 110, 533 53 Pardubice, Czech Republic
E-mail	info@kavanrc.com
Phone	+420 463 358 712
Website	www.kavanrc.com
Seller	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorاما.cz
Phone	+420 252 252 098
Website	www.rotorاما.com

3.2 Marking and disposal

- **Product identification:** KAVAN threadlocker – red, high strength, 10 ml, manufacturer code KAV56.9971, EAN 8596450061798. Product safety is governed by Regulation (EU) 2023/988 on general product safety (GPSR).
- The product is not electrical equipment and contains no batteries.

- Dispose of the empty bottle and product residues in accordance with the waste regulations applicable where you use the product; in the Czech Republic according to your municipality's waste-sorting instructions.
- Do not pour uncured product into drains, watercourses or soil.

4. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The contact details of the manufacturer and seller are given in Chapter 3.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.