



All-in-One

High-strength anaerobic compound for retaining, thread locking, thread sealing, flange sealing and gap filling



Features & Benefits

- Premium high-strength anaerobic compound - one product covering many applications
- Excellent gap-filling properties - up to 0.30 mm
- High temperature resistance - up to +180° C
- Increased oil tolerance - locks assemblies even when not completely clean
- Primerless on active and passive metals - saves time in the maintenance and repair operation
- High chemical resistance to most industrial liquids
- Non-hazardous - safe for the user and the environment
- NSF P1 registered - for use in food-processing environment

P/N	Product	S/C	Packaging
86544	All-in-One	ANA	50 ml concertina bottle
86545	Anaerobic Activator	ANAC	200 ml aerosol

Application

All-in-One shows excellent performances in repairing worn parts without remachining, e.g. worn-out seats, keys, splines, bearings or tapers. All-in-One is also able to cover most applications where several different anaerobic adhesives would be required: retaining parts with a clearance or interference fit; sealing and locking metal threaded fasteners; sealing flat flanges and close fittings; and filling gaps up to 0.30 mm. All-in-One cures in the absence of air between close fitting metal parts - active metals such as brass and copper, and passive metals such as stainless steel, aluminium and plated surfaces. The curing speed varies depending on the surface. For increasing the curing speed, use KENT Anaerobic Activator. All-in-One can be applied on surfaces presenting traces of cutting oils, lubricants and protection liquids.

Instructions

1. Clean both parts to be assembled with KENT Soft Surface Cleaner.
2. If required, apply KENT Anaerobic Activator on both parts and allow 30 to 60 seconds to dry.
3. Apply All-in-One on both parts.
4. Assemble as required. Don't move parts after assembling.
5. Functional strength is achieved in 3 to 6 hours depending on the nature of the surface and the size of the thread. Allow 24 hours curing time in order to achieve full strength.



Technical Information

Base:	Methacrylate anaerobic resin
Consistency:	Thixotropic liquid
Colour:	Metallic grey
Shelf life:	12 months (23° C)
Custom tariff code:	3506 99 00
VOC:	0 g/l

Cure mechanism:	Anaerobic	Chemical Resistance
Viscosity (Brookfield):	600000- 1000000 mPa.s	Sulphuric acid 24% (battery acid): Very good
Specific gravity:	1,09 - 1,11 g/ml	Hydrochloric acid 37%: Very good
Maximum thread:	M20	Ketones: Very good
Gap fill:	Maximum 0.30 mm	Diesel: Very good
Handling strength achieved:	10- 20 minutes *	Petrol: Very good
Functional strength achieved:	3 - 6 hours *	Alcohol: Very good
Full strength achieved:	12 - 24 hours *	Glycols: Very good
Breakaway torque:	30 - 40 Nm *	Water: Very good
Prevail torque:	30 - 40 Nm *	Salt water: Very good
Temp resistance :	-55° C to +180° C	Brake fluids: Very good
Certification:	NSF P1 (155142)	Motor Oils: Very good

* Measured on M10 x 20 - quality 8.8 zinc nut - and bolt 0.8D (without initial load)

Information provided here is for reference only. The bonds tested were under laboratory conditions. Adhesive performance depends upon the specific chemicals tested, substrates bonded, surface preparation and environmental conditions in processing.



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