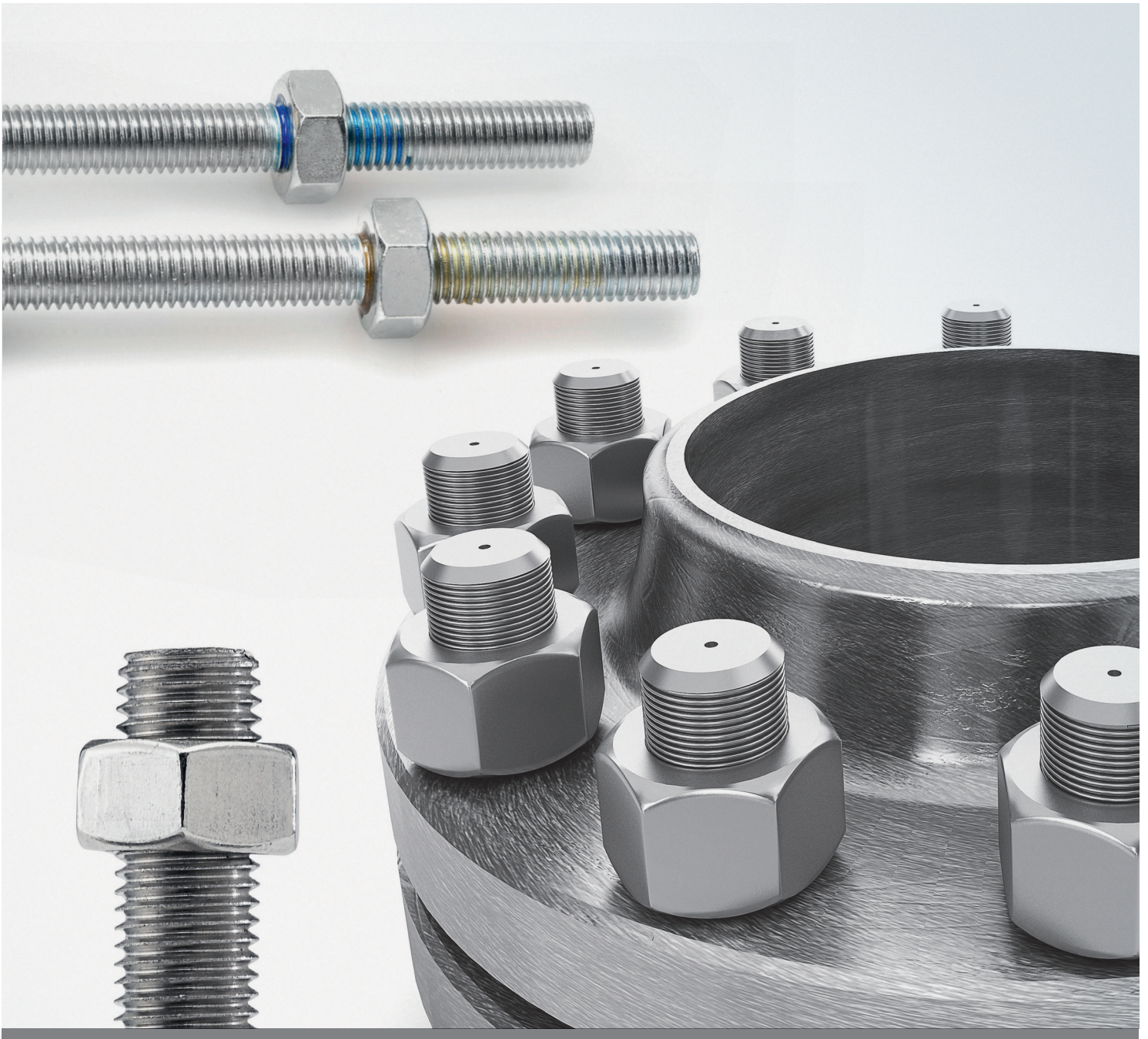








# High quality solutions for thread locking and flange sealing.

KENT's complete range of high effective  
anaerobic adhesive products.



# Summary

	Introduction to anaerobic adhesives	<b>03</b>
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# What are anaerobic adhesives?

Anaerobic adhesives are single component engineering adhesives that cure at room temperature in the absence of air and in contact with metal parts. Anaerobic adhesives are frequently used in assembly by original equipment manufacturers, maintenance departments, shut-down prevention and upgrade projects and in the automotive aftermarket sector. They are used for thread-locking and sealing, pipe and hydraulic joint sealing, retaining of cylindrical parts and gasketing.

## Benefits of KENT anaerobic adhesives:

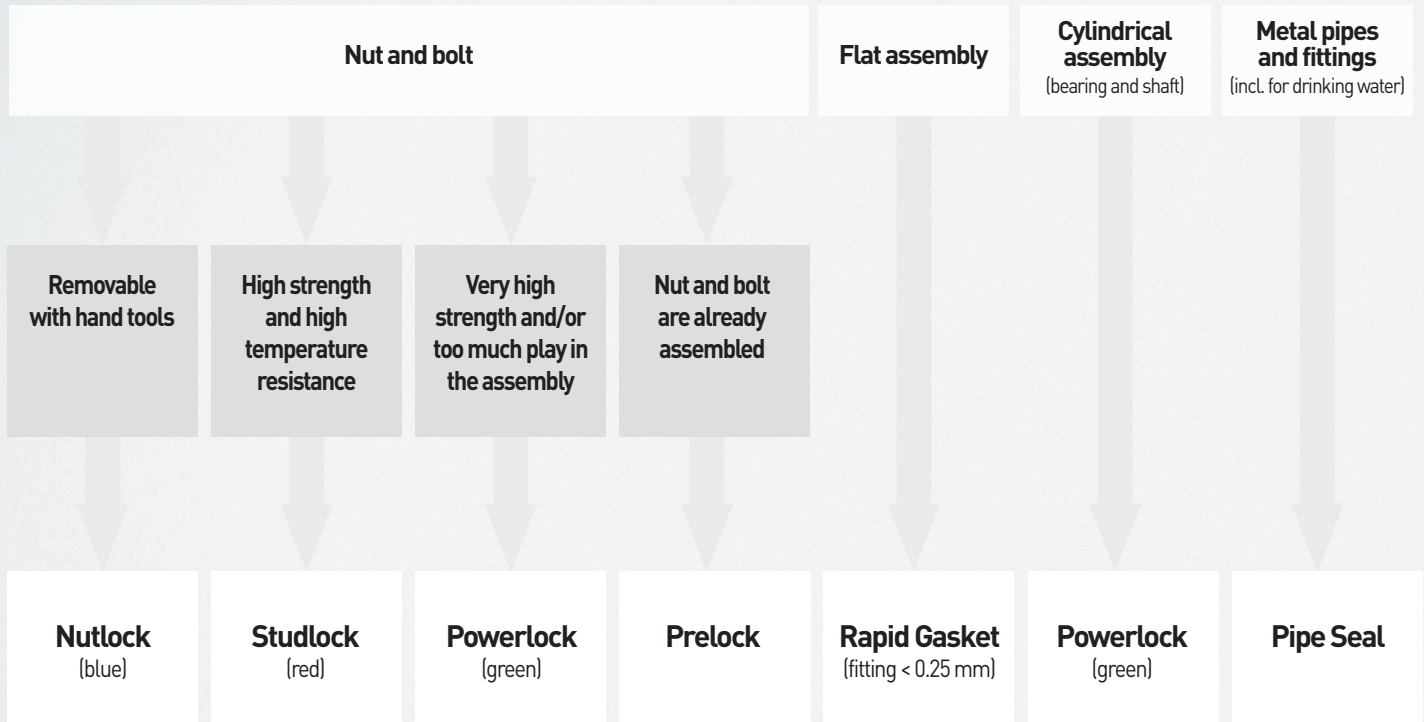
- Resist to shocks and vibrations
- Seal against leakage and corrosion
- Can be used on most sizes of fasteners – reduce inventory costs
- High chemical and temperature resistance
- Increased oil tolerance – locks assemblies even when not completely clean
- Primerless on active and passive metals - saves time in the maintenance and repair operation
- Non-hazardous – safe for the user and the environment
- NSF P1 registered – for use in food-processing environment



# The KENT anaerobic adhesives selection guide.

For every professional thread lock and and flange sealing task the optimal product.

## What is the nature of the assembly?



Always refer to the technical data sheet of the selected anaerobic adhesive before usage. When the assembled parts are made of passive metals or are cold (< 5°C), use KENT Anaerobic Activator before using the selected anaerobic adhesive (refer to TDS).



# Certified quality.

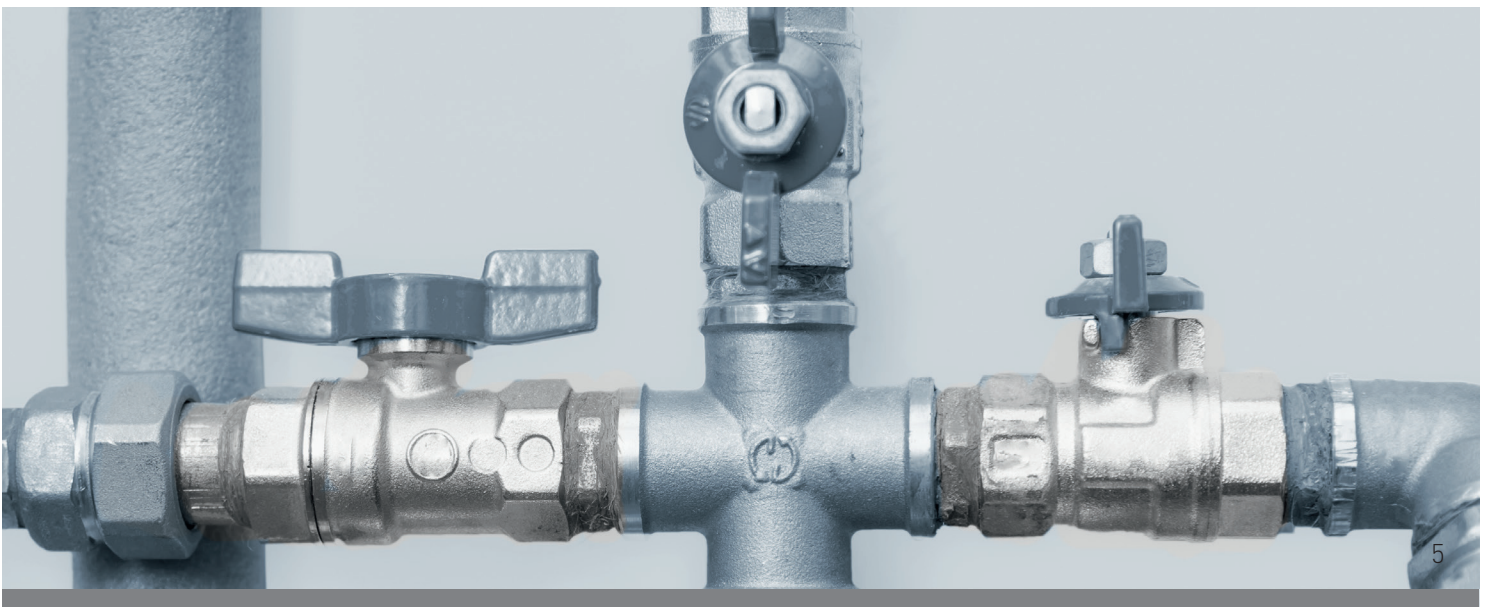
## DVGW – Certification of products

In Germany “DVGW – Deutscher Verein des Gas- und Wasserfaches e.V.” (German Technical and Scientific Association for Gas and Water) is the competence network for all questions related to gas and water supply – for more than 150 years. Committed to serving the public interest, DVGW works to ensure the highest level of safety and quality in provision of natural gas and fresh water to the public. KENT Pipe Seal has been tested and approved by DVGW according to EN751-1 for sealing metallic threaded joints in contact with gases and drinking water.



## NSF Certification

NSF is an independent, non-profit organization for health and safety. Testing and certifying products and writing standards for the food, water and consumer goods industries are the specialty fields of NSF. Their certification is the only that is recognized at the international level to ensure that the referenced products can be used safely with drinking water in the food processing area. Each approved product has a certification with a unique identification number and code to identify the product category.



# Surface Preparation.

Surface preparation is an essential operation for achieving optimal thread locking results. KENT offers you a reliable and complete range of high quality products for cleaning and preparation.

## Superglove Finite Nitrile Gloves

**Disposable non-powdered nitrile gloves.**

The KENT Superglove Finite Nitrile Gloves offer better puncture and abrasion resistance than natural rubber or vinyl. The disposable gloves have excellent grip, both while wet and dry and can be worn on either hand. What's more, they have greater tear resistance and are more resistant against chemicals.



### Benefits

- ✓ Optimal fit for excellent flexibility
- ✓ Excellent tactile sensation
- ✓ Suitable for sensitive skin and people with latex allergy

Part No. V2230	100 pc.	Size M
Part No. V2173	100 pc.	Size L
Part No. V2174	100 pc.	Size XL

## Microfibre cloths

**Carefully cleans all surfaces.**

The KENT Microfibre cloths efficiently clean any surface without leaving streaks and lints. Different cloths are available depending on the application.



### Benefits

- ✓ High absorption power
- ✓ Leaves no streaks or lints
- ✓ Can be used dry, moist or wet

Part No. 86343	3 units in blue	40 x 40 cm	Finishing Microfibre Cloths - Blue
Part No. 86344	1 units in blue	64 x 32 cm	Finishing Microfibre Cloths - Blue
Part No. 86345	1 units in blue	40 x 40 cm	Microfibre Cloth for glass - Blue
Part No. 86328	5 units in yellow	40 x 40 cm	Universal Microfibre Cloths - Yellow

## Soft Surface Cleaner

**A highly versatile, non-aggressive industrial solvent cleaner.**

KENT Soft Surface Cleaner is a powerful, fast acting solvent, which dissolves dirt, grease and oil without damaging delicate surfaces. It can be used on: metal, aluminum, wood, cement, most plastics, plexiglas, machinery, equipment, tools, engines, chains, ceramic tiles, and most painted surfaces.

### Instructions

1. Apply generously on the surface to be cleaned
2. Allow to penetrate
3. Wipe the surface with a clean dry cloth
4. Repeat the treatment if necessary

### Benefits

- ✓ Exceptionally versatile
- ✓ NSF registered, Category K1
- ✓ Easily removes contaminants from hard to reach areas

Part No. 34405 500 ml aerosol



## Anaerobic Activator

**Solvent-based activator for increasing the cure speed of anaerobic adhesives.**

Anaerobic Activator is especially recommended to accelerate the cure of anaerobic adhesives, on active and passive metals (see table on page 2). It can also be used to accelerate the cure in larger bond gaps and deeper threads, or on cold parts. As it's a solvent-based formula, Anaerobic Activator also features good cleaning properties.

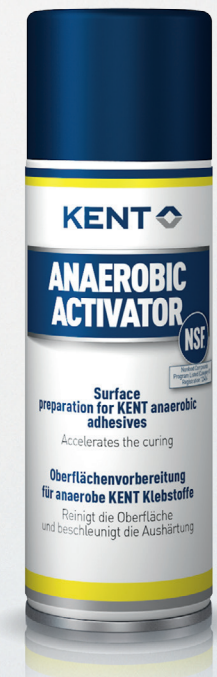
### Instructions

1. Apply KENT Anaerobic Activator on all metal parts to be assembled and allow 30 to 60 seconds to dry.
2. Assemble parts immediately using the KENT anaerobic adhesive which is required for the application, referring to the relevant product technical data sheet.
3. The time needed to reach initial strength will be reduced to approx. 20 to 120 seconds and varies depending on the type of anaerobic adhesive and the application conditions (temperature, nature of the surfaces to be bonded, thread size, gap size, etc.)

NB: the solvent can affect certain surfaces like plastics and coatings. It is recommended to check compatibility before use.

### Benefits

- ✓ Speeds up cure time - for faster return to service
- ✓ NSF K1 registered - for use in food-processing environment



Part No. 86545 200 ml aerosol

# Anaerobic Adhesives.

The anaerobic adhesive product range is a series of high quality by KENT for thread lock and flange sealing tasks . Beside thread locking specific products also provide sealing against leakage and avoid corrosion. These products are the first choice as a fast, easy and secure application will be guaranteed which keeps efforts and costs on your side as low as possible. Test it yourself and be convinced!





## Nutlock

**A general purpose medium-strength threadlocker, suitable for all metal threaded assemblies.**

Nutlock locks and seals threaded fasteners up to 1-1/4" (M36), and prevents loosening and leakage on vibrating assemblies, e.g. engines, pumps and gear boxes. Nutlock 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.

### Instructions

1. Clean all threads with KENT Soft Surface Cleaner.
2. If required, apply KENT Anaerobic Activator on all threads and allow 30 to 60 seconds to dry.
3. Insert the bolt through the hole assembly.
4. Apply Nutlock on both bolt and nut.
5. Assemble and tighten nut to required torque. Don't move parts after tightening.
6. 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.

### Benefits

- ✓ Blue medium-strength threadlocker - can be disassembled with hand tools
- ✓ Highly resistant to vibrations - ideal for locking assemblies on moving parts
- ✓ High temperature resistance - up to +180 °C
- ✓ Primerless on active and passive metals - saves time in the maintenance and repair operation

Part No. 86539 50 ml concertina bottle



## Studlock

**A general purpose high-strength threadlocker with very high temperature resistance.**

Studlock is so powerful that it will require heat to be disassembled (260 °C). It is ideal for heavy duty applications such as studs into engine housings, nuts onto studs in pump cases and other fasteners where high strength is needed.

### Instructions

1. Clean all threads with KENT Soft Surface Cleaner.
2. If required, apply KENT Anaerobic Activator on all threads and allow 30 to 60 seconds to dry.
3. Insert the bolt through the hole assembly.
4. Apply Studlock on both bolt and nut.
5. Assemble and tighten nut to required torque. Don't move parts after tightening.
6. 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.

### Benefits

- ✓ Red high-strength threadlocker - designed for permanent locking of threaded fasteners
- ✓ Highly resistant to vibrations and shocks - ideal for locking assemblies on moving parts
- ✓ Very high temperature resistance - up to +200 °C
- ✓ High chemical resistance to most industrial liquids

Part No. 86540 50 ml concertina bottle



# Powerlock

**A Very high-strength retaining compound and threadlocker, with excellent gap-filling properties.**

Powerlock is designed for the retention of parts with a clearance or interference fit and shows excellent performance for dynamic, axial and radial loads. Powerlock is ideal for repairing badly worn shafts on shaft mounted assemblies or for repairing badly worn housings around components such as bearings and metallic seals. Powerlock fills gaps up to 0.25 mm in fitting metal parts.



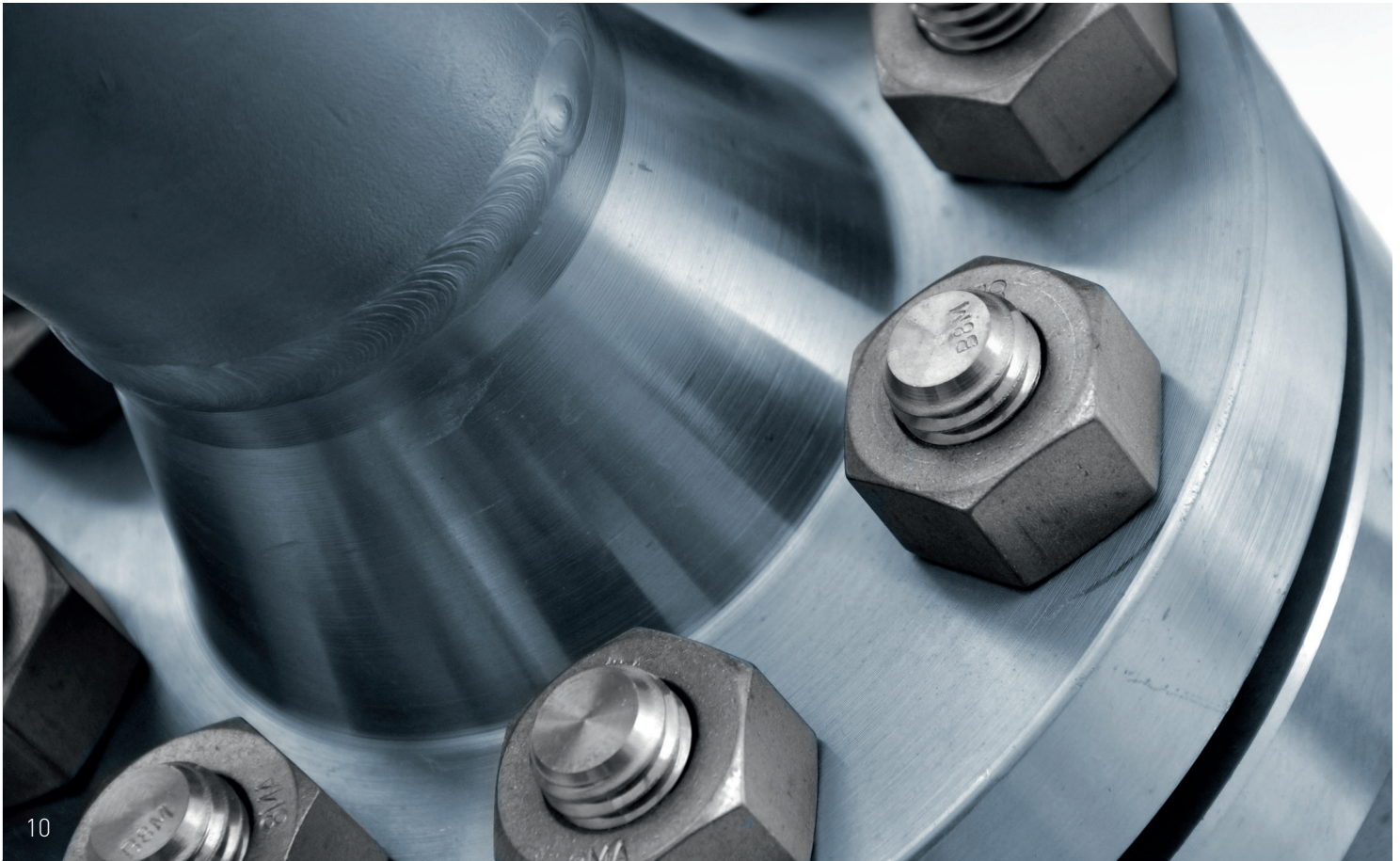
## Instructions

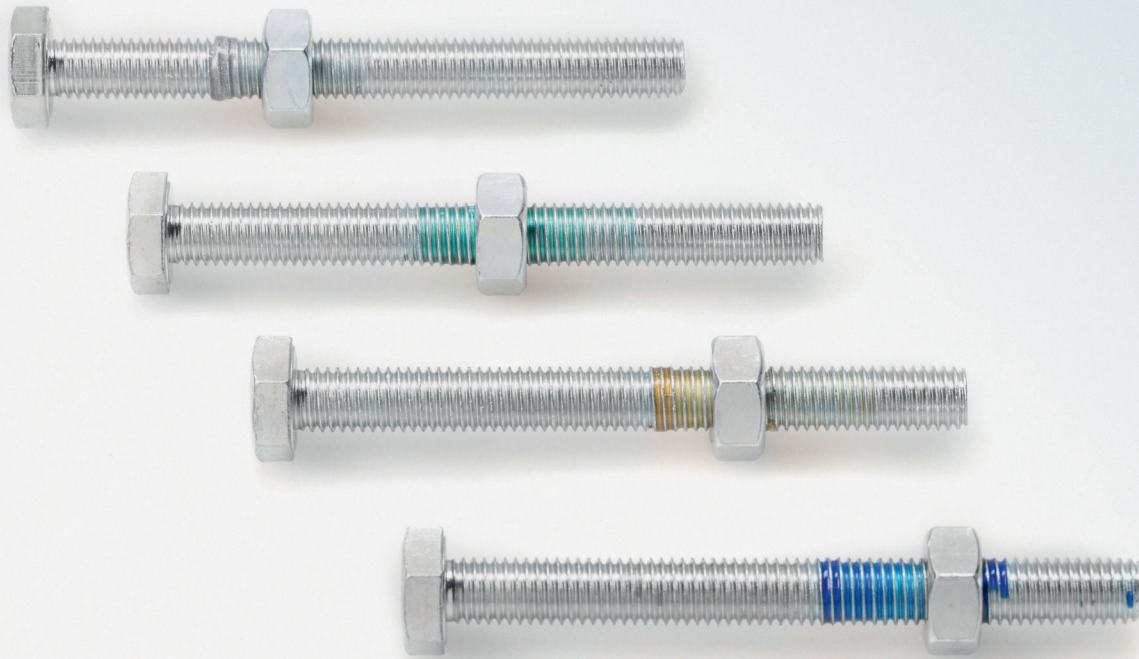
1. Clean both parts to be assembled with KENT Soft Surface Cleaner.
2. If required, apply KENT Anaerobic Activator on both parts and allow 30 to 60 seconds to dry.
3. Apply Powerlock on both parts.
4. Assemble as required. Don't move parts after assembling.
5. Functional strength is achieved in 3 to 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.

## Benefits

- ✓ Green very high-strength retaining compound - designed for retention of parts with a clearance or interference fit
- ✓ Excellent gap-filling properties - up to 0.25 mm
- ✓ High temperature resistance - up to +180 °C
- ✓ Non-hazardous - safe for the user and the environment

Part No. 86541    50 ml    concertina bottle





## Prelock

**A medium-strength wicking grade threadlocker, for locking pre-assembled metal threaded assemblies.**

Locks and seals pre-assembled threaded fasteners up to 1/2" (M12). It is ideal for preventive maintenance on existing equipment. Applications include adjustment screws, instrumentation screws, electrical connectors and set screws. Prelock also seals porosities in welds and metal parts - active metals such as brass and copper, and passive metals such as stainless steel, aluminium and plated surfaces.

### Instructions

1. For preventive maintenance, tighten nuts to required torque or re-adjust screw to proper setting.
2. Apply Prelock at the nut and bolt juncture or at the screw and body juncture.
3. Don't move parts after assembling.
4. Functional strength is achieved in 3 to 4 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.

### Benefits

- ✓ Penetrates threads by capillary action - ideal for pre-assembled assemblies
- ✓ 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



Part No. 86542 50 ml concertina bottle

## Pipe Seal

**A medium-strength thread sealant for locking and sealing metal pipes and fittings.**

Pipe Seal is ideal for locking and sealing straight and tapered cylindrical metal threads up to 3" (R3), and prevents loosening and leakage on vibrating assemblies. Pipe Seal is suitable for fast applications at low temperatures e.g. outdoor plant maintenance. Pipe Seal cures in the absence of air between close fitting metal parts - active metals such as brass and copper, and passive metals.



### Instructions

1. Clean all threads with KENT Soft Surface Cleaner.
2. If required, apply KENT Anaerobic Activator on all threads and allow 30 to 60 seconds to dry.
3. Apply Pipe Seal 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.

### Benefits

- ✓ Yellow medium-strength thread sealant - designed for locking and sealing metal pipes and fittings - Instant low pressure seal - up to 5 bars pressure
- ✓ Primerless on active and passive metals - saves time in the maintenance and repair operation
- ✓ DVGW EN751-1 approval - for sealing metallic threaded joints in contact with gases and drinking water

Part No. 86543    50 ml    concertina bottle



## Rapid Gasket

**An anaerobic gasketing compound specially developed for the sealing of close fitting gaskets and flange assemblies.**

Rapid Gasket is used for fuel and water pumps, split crank cases on engines, gearbox covers, thermostat housings, air compressor end caps, engine timing cam covers onto blocks, pump couplings, fuel tanks on small implements, chain saws, lawn mowers etc. Rapid Gasket can also be used for dressing existing gaskets, spacers, etc.



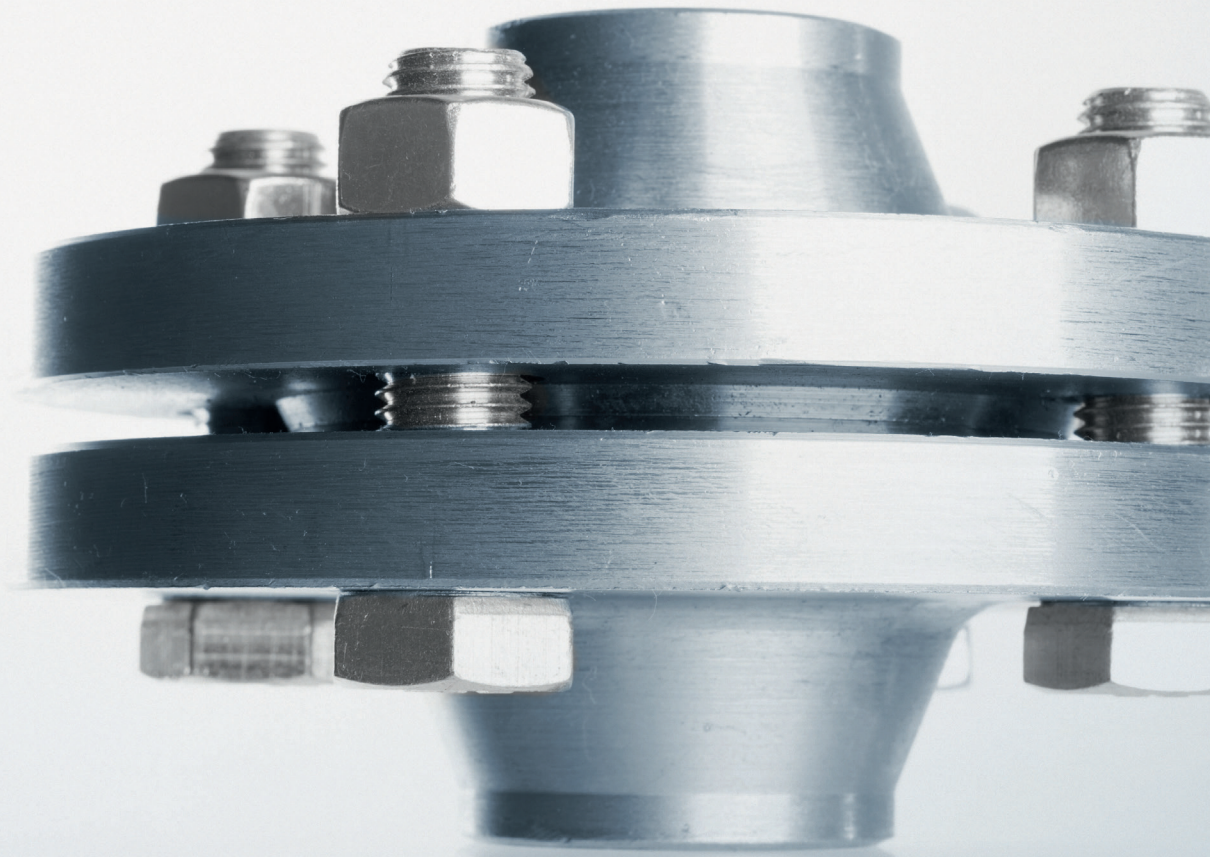
### Instructions

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 Rapid Gasket on one part.
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.

### Benefits

- ✓ Excellent gap-filling properties up to 0.30 mm – High temperature resistance - up to +180 °C
- ✓ Sensor safe - Will not damage sensors or catalytic converters
- ✓ Thixotropic - Will not sag or run – Cleans up well and easy to disassemble

Part No. 86553    50 ml    concertina bottle



## All in One

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

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.

### 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.



### 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

Part No. 86544 50 ml bottle

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