

## THREAD SEALANTS & LOCKERS (Category 24)



Manufactured in England since 1992, Bondloc offers a comprehensive range of adhesives, thread lockers and sealants to meet all of your requirements.

### Thread Sealants

Bondloc Thread Sealants are single-component liquids that cure at room temperature in the absence of air and when in contact with metal ions. The adhesive completely fills the gaps between mating threads to lock threads and joints. Bondloc Thread Sealants replace conventional methods used such as PTFE tape, O-ring, hemp etc which can all cause issues. PTFE tape shards generated during pipe assembly can contaminate internal hydraulic pipe systems, and PTFE tape can leak once readjusted after pipe location setting and requires a manual wrapping adding both time and cost.

Bondloc liquid thread sealing adhesives have many benefits; they provide a robust seal, prevent self-loosening and they cause no contamination inside hydraulic piping systems. They cure slowly to allow pipe location adjustment after initial tightening yet provide an instant low pressure sealing as well as protecting pipe threads against corrosion and galling with a high-pressure resistance after cure.

**B542** Hydraulic Sealant is a medium strength thixotropic liquid which cures anaerobically to form a tough, high pressure seal on all types of threaded couplings used on low, medium and high pressure lines. Used on all types of hydraulic connections. Seals up to 400bar on 3/4 fittings. Easily dismantled with hand tools.

| Code        | Tube Size |
|-------------|-----------|
| 24-B542-050 | 50ml      |
| 24-B542-250 | 250ml     |



**B569** Hydraulic Sealant is a high strength thixotropic liquid which cures anaerobically to form a tough, high pressure seal on all types of threaded couplings used on low, medium and high pressure lines. Ideal for finer threads used in hydraulic and pneumatic applications requiring zero contamination. Seals up to 400bar on 20mm fittings. Can be dismantled with tools or excessive heat.

| Code        | Tube Size |
|-------------|-----------|
| 24-B569-050 | 50ml      |



**B567** is an easy to break sealing and locking action product that gives an instant low pressure seal. It provides an instant seal up to 1000psi and seals up to 10000psi when fully cured. The fast curing time allows quick assembly and prevents galling. It has excellent solvent resistance and withstands temperatures up to 204°C. It is ideal for stainless steel, aluminium, galvanized metal and other inert metals.

| Code        | Tube Size |
|-------------|-----------|
| 24-B567-050 | 50ml      |
| 24-B567-250 | 250ml     |



**B577** Pipe Sealant is an AGA Approved high viscosity thixotropic gel paste which cures rapidly, sealing instantly to 10bar. When cured it resists pressure up to 350bar. It has good chemical/solvent resistance to ethanol, motor oil, unleaded petrol, acetone and brake fluid. Suitable for gas.

AGA approval 7714

| Code        | Tube Size |
|-------------|-----------|
| 24-B577-050 | 50ml      |
| 24-B577-250 | 250ml     |



### BONDLOC Anti-Seize

The Bondloc Anti-Seize range has been developed to protect metal parts from corrosion, galling and seizing and reduces wear in heavy pressure applications. Mated parts can be removed more easily and in a clean condition.



**B771** Nickel Anti-Seize is a Graphite and nickel fortified lubricant. Withstands temperatures from -54°C to 1500°C. Lubricates and seals in harsh chemical environments. Recommended for metal fittings and pipe threads in environments where a clean inert lubricant is required.

| Code        | Can Size      |
|-------------|---------------|
| 24-B771-500 | 500g Brushtop |

**B772** Copper Anti-Seize is a Graphite and copper fortified lubricant. Protects metal parts from high temperature, seizing, galling and corrosion at temperatures from -30°C to 1000°C. Copper antiseize can be used on copper, brass, cast iron, steel, all alloys including stainless steel. Can also be used on plastics and all non metallic parts.

| Code        | Can Size      |
|-------------|---------------|
| 24-B772-500 | 500g Brushtop |

## THREAD SEALANTS & LOCKERS (Category 24)

### **BONDLOC** Thread Lockers

Bondloc Threadlockers are single-component liquids that cure at room temperature to a hard, solid thermoset plastic when applied between steel, aluminium, brass and most other metal surfaces. They cure with the absence of air and when in contact with metal ions, the adhesive completely fills the gaps between mating threads to lock threads and joints. This prevents unwanted movement, loosening, leaks and corrosion. To further enhance their performance, Bondloc anaerobic formulations have been developed for applications with improved cure speeds, high temperatures and oil contamination.

The Bondloc threadlocking range has been developed to replace conventional methods used in the assembly industry such as flat and spring washers, nylon lined nut, serrated bolt, which can loosen under vibration, thermal expansion, and/or plastic deformation. These methods do not seal the thread as the space between the bolt and nut is all empty. They also require an extensive inventory of several fastener shapes and sizes and are prone to rust and surface damage.

- **Single-component – clean and easy to apply**
- **Prevent unwanted loosening, leaks, and corrosion**
- **Reduces costs over mechanical fittings**
- **Resists vibration**
- **Can be used on all sizes of fasteners – reduces inventory costs**
- **Seal threads and increases friction**



#### **B222** Screwlock (Low strength Purple thread locker.)

Ideal for low strength threadlocking where easy disassembly may be required. Used on all small fasteners to prevent loosening through vibration and where sealing through thread fastening is required.

| Code        | Tube Size |
|-------------|-----------|
| 24-B222-010 | 10ml      |
| 24-B222-050 | 50ml      |



#### **B272** Studlock (High Strength/High Temp Red thread locker)

Permanent thread locker, suitable for high temperature applications (230°C). It is ideal for locking of large studs and bolts up to 1½". It is resistant to fuels, lubricants and most industrial liquids and gases.

| Code        | Tube Size |
|-------------|-----------|
| 24-B272-050 | 50ml      |



#### **B243** Threadlock (Medium Strength Blue thread locker)

Oil tolerant B243 is designed for direct application onto "as received" parts where a light oily film exists or where surrounding parts contamination is a problem.

| Code        | Tube Size |
|-------------|-----------|
| 24-B243-010 | 10ml      |
| 24-B243-050 | 50ml      |



#### **B277** Studlock (Very High Strength Red thread locker)

is a permanent thread locker. Used in high strength applications on fasteners up to 1" in size. It is chemical resistant, resisting fuels, lubricants and most industrial liquids and gases.

| Code        | Tube Size |
|-------------|-----------|
| 24-B277-050 | 50ml      |



#### **B270** Studlocker (High Strength Green thread locker)

A general purpose adhesive for permanent threaded assemblies. B270 locks studs up to 1", sealing against leakage and corrosion. It is chemical resistant, resisting fuels, lubricants and most industrial liquids and gases.

| Code        | Tube Size |
|-------------|-----------|
| 24-B270-010 | 10ml      |
| 24-B270-050 | 50ml      |



#### **B290** Penetrator (Wick in grade Green thread locker)

Fast cure anaerobic securing compound, very low in viscosity, thus enabling the wicking action to search into the voids in assembled components and cures anaerobically. B290 can also be used as a weld or porosity sealant.

| Code        | Tube Size |
|-------------|-----------|
| 24-B290-050 | 50ml      |



## THREAD SEALANTS & LOCKERS (Category 24)

### BONDLOC Cyanoacrylate Adhesives

**B401** is suitable for difficult to bond surfaces. Ideal for porous materials such as rubber, wood, paper, cork and leather. It's low viscosity allows it to be used on close fitting parts.

- Low viscosity
- Good fixture time
- Porous materials



| Code        | Tube Size |
|-------------|-----------|
| 24-B401-020 | 20g       |

**B454** gel is suitable for difficult to bond surfaces. Ideal for porous materials such as rubber, wood, paper, cork and leather. Its high viscosity makes it ideal for larger gaps, also vertical and overhead surfaces.

- Porous materials
- Gel



| Code        | Tube Size |
|-------------|-----------|
| 24-B454-020 | 20g       |

**B460** is a low odour, low bloom (frosting) adhesive, used where cosmetic appearance is important or vapour irritation is an issue. It is low viscosity and is ideal for close fitting parts. General purpose adhesive, good for bonding metals, plastics, wood, rubber and many other materials.

- Low odour, low bloom
- Good fixture time



| Code        | Tube Size |
|-------------|-----------|
| 24-B460-020 | 20g       |

### BONDLOC Gasketing

**B510** is a pink coloured, fast set, form-in-place gasket maker for all types of metal parts, sealing and resisting temperatures up to 200°C. Used for sealing any shape or size of high temperature application, dressing gaskets or making rigid assemblies.



| Code        | Tube Size |
|-------------|-----------|
| 24-B510-050 | 50ml      |

**B515** Flange Seal B515 is a purple coloured, smooth, thick paste. Cures to Form-in-Place a tough, flexible gasket to give an instant low pressure seal. Used for fuel and water pumps, split crank cases, gearbox covers, air compressor end caps etc. B515 can also be used for dressing gaskets.



| Code        | Tube Size |
|-------------|-----------|
| 24-B515-050 | 50ml      |
| 24-B515-300 | 300ml     |

**B573** is a single component, thixotropic anaerobic compound, designed for low strength sealing of large areas and machined surfaces. Allows for easy disassembly and is resistant to most industrial fluids



| Code        | Tube Size |
|-------------|-----------|
| 24-B573-050 | 50ml      |

### BONDLOC Structural Adhesives



**B2001** Metal Epoxy is a hand kneadable epoxy putty that mixes in one minute for permanent repairs to many substrates. May be applied underwater. Bonds to fiberglass, metal, wood, concrete and glass. Hardens in 10 minutes, full strength in 24hours. Ideal for repairing tanks and drums, patching holes in pipes, stopping leaks and repairing porosity holes in castings.

| Code         | Tube Size |
|--------------|-----------|
| 24-B2001-114 | 114g      |



**B2002** Aluminium Epoxy is a hand kneadable epoxy putty that mixes in one minute for permanent repairs to most aluminium surfaces. The mixed epoxy turns from a silvery colour to "Alloy" upon curing. After final cure, it can be drilled, sawed, tapped, sanded and painted. When applying Aluminium Stick to surfaces it is necessary to work the material forcefully into the surface and apply pressure until adhesion begins to take effect.

| Code         | Tube Size |
|--------------|-----------|
| 24-B2002-114 | 114g      |

## THREAD TAPE (Category 24)

### White PTFE Thread Tape



| Code   | Width | Length | Pack Size |
|--------|-------|--------|-----------|
| 24-001 | 12mm  | 10M    | 10        |
| 24-003 | 19mm  | 12M    | 8         |

Must be ordered in multiples of Pack Size

Working Temperature: -240°C to 260°C. 0.075mm Thick

### Pink Plumbers Thread Tape



| Code      | Width | Length | Pack Size |
|-----------|-------|--------|-----------|
| 24-004    | 12mm  | 10M    | 10        |
| 24-004-30 | 12mm  | 30M    | 1         |

Must be ordered in multiples of Pack Size

Working Temperature: -268°C to 260°C. 0.1mm Thick

### Yellow Gas Thread Tape



| Code      | Width | Length | Pack Size |
|-----------|-------|--------|-----------|
| 24-007    | 12mm  | 10M    | 10        |
| 24-007-30 | 12mm  | 30M    | 1         |

AGA Approval N° 6970

Must be ordered in multiples of Pack Size

Working Temperature: -268°C to 260°C  
Thickness : 0.1 mm

### Stainless Steel Thread Tape



| Code   | Width | Length |
|--------|-------|--------|
| 24-013 | 12mm  | 6.5M   |

Thickness : 0.102 mm

Working Temperature : -268°C to 260°C  
Working Pressure : 68950KPA — 10000PSI

### Denso Tape



| Code        | Width | Length |
|-------------|-------|--------|
| 24-DENSO050 | 50mm  | 10M    |
| 24-DENSO075 | 75mm  | 10M    |
| 24-DENSO100 | 100mm | 10M    |
| 24-DENSO150 | 150mm | 10M    |

Petroleum impregnated tape for the protection of metal surfaces above and below ground.

### Green Oxygen Thread Tape



| Code   | Width | Length |
|--------|-------|--------|
| 24-010 | 12mm  | 12M    |

## Tool and Compressor Oil. (Category 24)

### Tool Oil

Our tool oil is 15 grade. Unlike most other tool oils on the market which are 30 grade (Hydraulic Oil), the Fuchs tool oil has a lower viscosity and is ideally suited to air tools.



| Code         | Size    |
|--------------|---------|
| 24-TOIL-0500 | 500ml   |
| 24-TOIL-1000 | 1 Litre |
| 24-TOIL-5000 | 5 Litre |

### Compressor Oil

The compressor oil is 68 grade and is specifically designed to suit both screw and piston type compressors.



| Code         | Size    |
|--------------|---------|
| 24-COIL-1000 | 1 Litre |
| 24-COIL-5000 | 5 Litre |