

# Thread and Head Solutions Limited

## THREAD GRIP



A powerful vibration-damping coating with special grip producing particles.

Used on fasteners and a vast array of assembly components.

Preventing movement and backing out of screws, nails, nuts, bolts, rivets, pins and parts of all types.

Non fastener uses include enhanced and renewed stabilization of spline assemblies and flanges.

The product's unique resiliency allows for removal, readjustment and reinstallation of components.

- **Can be supplied in aerosols or brush top bottles**
  - Ease of application
- **Can be pre-applied**
  - Reducing assembly times
- **Indefinite shelf life**
  - Ideal for field service
- **Multiple colours available**
  - Easy ID of parts and or inventory
- **Degreasing not required**
  - Hassle free installation
- **Impervious to most hostile surroundings**
  - Doesn't break down causing hazardous situations
- **Grips to multiple substrates**
  - Versatility allowing improved assembly of parts
- **Resilient gripping qualities when under duress, including sudden impact**
  - Not brittle like anaerobic lockers
- **Up to 75% more life than anaerobic lockers**
  - Can be re-used up to 4 times without further application
  - The product is already considerably less than other leading thread lockers
  - Re-use makes it more environmentally friendly



## THREAD GRIP

### DESCRIPTION:

Thread Grip is a powerful vibration-damping coating for use on fasteners and other assembly components. It prevents loosening and leaking of screws, nuts, bolts, and parts of all types. The product's unique resiliency allows for removal, readjustment and reinstallation of components.

Thread Grip is engineered to be cost-effective and **CFC-free**. The Grade 3 product is a non-ozone depleting formulation of methacrylic resins and copolymers that prevents fasteners from loosening, even under extreme vibration. The formula is **non-anaerobic** and **non-reactive**. Unlike anaerobic adhesives, this product does not degrade plastics, seize parts in place or depend on a chemical reaction.

Thread Grip meets or exceeds the performance requirements of the following standards:

#### MILITARY:

- Lockheed Martin: 11663357, CAGE # 18876, P5407, 507-13-410
- General Dynamics: 13233419
- Harris Corporation: DWG. P30-0013
- National Stock Number: 8030-00-163-5792
- Naval Sea Sys Comm: 5174855
- Raytheon: DWG. 998730
- US Army Missile Comm: MIS-28867A
- US Air Force: #19207
- US Army Tank Automotive Command GD: #11663357

#### OEM:

- Allied Signal: PCS5618
- Atlanta Research: SP 10234
- Delphi: 00047127
- Detroit Diesel: 9S244
- Grumman Aerospace: GF105VP
- Leco Corporation: 764-709
- Meritor (Rockwell): 005-2308-010

### PRODUCT FEATURES:

- » **Exceptional Shelf Life:** Parts coated with Thread Grip can be stored indefinitely before use.
- » **Versatile:** Thread Grip can be used on components of all types, not only fasteners. Rivets, pins, shafts, collars, springs, knobs, terminals, etc. can benefit when coated with Vibra-Stop.
- » **Surface Insensitive:** Unlike most anaerobic adhesives, Thread Grip adheres to both ferrous and nonferrous metals and to most screw types including wood, plastic and plated.
- » **Provides a Reliable Lock & Seal:** Thread Grip holds parts in place under a wide range of conditions; even during extreme vibration.
- » **Multiple Reuse:** Parts coated with Thread Grip can easily be adjusted, removed, and reused without reapplication.
- » **Minimizes Galling/Stripping:** Thread Grip is a resilient insulation coating that helps reduce galling and thread damage.
- » **Low Cost:** Thread Grip is priced far less than anaerobic adhesives and competing products.

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## METHOD OF USE:

Apply Thread Grip liberally to threaded area to be engaged in assembly; allow to dry. Fastener can then be installed or stored indefinitely for later use. Thread Grip is usable on male and female threads, and even in non-threaded applications. When applied, Thread Grip dries within seconds leaving coated parts ready for assembly in just a few minutes. Part degreasing is not required prior to application.

Grade Number	Color	Solvent Base
Grade 1	Transparent Red	Ethyl Acetate
Grade 2	Transparent Blue	Ethyl Acetate
Grade 3 – Standard Shelf Grade	Transparent Red	M.E.K.
Grade 4	Transparent Blue	M.E.K.
Grade 5	Clear	Ethyl Acetate
Grade 6	Clear	M.E.K.
Grade 7 – Solid	Red	Customer-added. See MSDS.
Grade 8 – Solid	Clear	Customer-added. See MSDS.
Grade 9 – Heat Activated	Transparent Orange	M.E.K.
Grade 10 – Conductive	Bronze/Black	M.E.K.
Grade 11 – Aerosol*	Transparent Red	Multiple solvents. See MSDS.
Grade 12 – Toughened	Transparent Green	M.E.K.

\*Note: Grade 11 Aerosol is comparable to our standard shelf Grade 3 product, with added solvent. Shipping restrictions may apply.

## SPECIFICATIONS:

Breakaway Torque	No distinct hard break; slow, gradual release
Prevailing Torque	Continued and constant resistance to rotation
Cured Appearance	Resilient plastic
Shelf Life	Indefinite
Chemical Resistance	Resistant to many common fluids
Water/Weather Resistance	Impervious to tap and salt water
Corrosion Resistance	Resistant to acid/alkali: corrosion barrier
Operational Temperatures	-50°C to 75°C (~-60°F to 170°F)
Applicable Materials	All metals, wood, most plastics
Reusable	Yes

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