LA-CO SLIC-TITE
Paste W/PTFE

PRODUCT DESCRIPTION

LA-CO Slic-Tite is a premium thread sealant paste. It has been successfully used for decades to seal LPG, natural gas, and more. It removes easily from skin and clothing, reducing post-job cleanup time.

TECHNICAL DATA

- Sizes: 473ml & 946ml
- Viscosity: 200,000 to 300,000 cps
- Sealing temperature: -10°C to 135°C
- Pressure: AGA approved for 500kPa of gas
- VOC content: 0%
- Pipe Materials Recommended: All metal threads

Pipe Thread Types: For use with taper-taper threads, such as ANSI/ASME NPT, British BS 21 type BSPT, Australian AS 1722.1 type RC/R

Recommended Systems: natural gas, LPG (propane & butane), town gas and Universal LP.

Not Recommended for: Oxygen, Chlorine, Potassium Hydroxide, Ethylene Oxide, Hydrogen, Oxidizers, Nuclear use

Toxicity: Slic-Tite has been tested and is considered non-toxic according to the U.S. Federal Hazardous Substance Labelling Act. Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia. Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition).

Clean-up: 1, 1, 1-trichloro ethane will dissolve Slic-Tite allowing easy removal from metal pipe threads. Alternatively, use any of the citrus or “orange” solvents.

Pipe-line flushing: Flush with a solution of Lestoil Heavy Duty Cleaner or equivalent, then flush with water.

Coverage: The following information is estimated based on lab tests.

- 1-gallon (4.5L) will cover about: 300 three-inch diameter fittings, or 900 two-inch diameter fittings, or 2250 one-inch diameter fittings.

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REGULATORY STATUS

Specifications Met:

- AGA (Australian Gas Association) 8171 to AS4623:2008
- UPC (IAPMO)
- UL listed
- Federal Specification TT-S-1732.
- U.S.D.A. - Authorized for use in federally inspected meat and poultry plants (designation P2)
- ANSI/NSF - Certified to Standard 61
- BS 6920
- BS EN 751-2 - Class A, B & C

APPLICATION INSTRUCTIONS:

1. Apply paste into the roots of only the male threads. To do this, brush into the threads in a perpendicular direction (against the threads, not parallel).
2. Paste should be applied to a thickness of at least twice the depth of the thread root to ensure an adequate amount gets into the joint.
3. It is important to apply into all the male threads that will be engaged into the joint. Don't rely on excess Slic-Tite paste to be extruded out of the joint and onto the outer threads.

APPLICATION INSTRUCTIONS DETAILED:

To take full advantage of the sealing properties of Slic-Tite Paste, it must be applied properly.

- It is very important that the PTFE particles in Slic-Tite Paste are applied to the roots of only the male threads. The recommended way to do this is to brush Slic-Tite Paste into the threads in a perpendicular direction (against the threads, not parallel), being sure to push the PTFE particles into the roots of the threads.
- Slic-Tite Paste should be applied to a thickness of at least twice the depth of the thread root to ensure an adequate amount gets into the joint.
- It is also important to apply Slic-Tite Paste to all male threads that will be engaged into the joint. Don't rely on excess Slic-Tite Paste to be extruded out of the joint and onto the outer threads. Remember, the PTFE particles are locked into the pipe joint as it is tightened. Excess Slic-Tite Paste extruded out of the joint will be deficient in PTFE particles, and any PTFE particles that may get squeezed out will not be properly deposited into the roots of the outer threads.

It is the PTFE and other solid sealants in Slic-Tite Paste that work together to seal threaded pipe joints. Slic-Tite Paste's special balance of these ingredients works synergistically to provide the highest-performance pipe thread sealant available. Every batch of Slic-Tite Paste is performance tested before it is allowed out of our door to assure you of positive results every time.

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HOW IT WORKS
Slic-Tite Paste is a non-setting pipe thread sealant that contains PTFE particles and other solid sealants. The highly versatile and effective sealing properties of Slic-Tite Paste are mainly due to the amount and size of the PTFE particles.

SEALING PROPERTIES OF PTFE
PTFE is a highly compressible plastic that is inert to many chemicals and has natural lubricating properties. These properties make PTFE an excellent sealant for pipe threads. The PTFE particles in Slic-Tite Paste become locked in the threads as a pipe joint is tightened. The PTFE then compresses and flows to fill in any voids or defects in the threaded joint as it continues to be tightened. Other solid additives in Slic-Tite Paste help hold the PTFE particles in place while the joint is tightened and work with the PTFE to aid sealing.

AMOUNT OF PTFE
Slic-Tite Paste contains more PTFE than any other commercially available pipe thread sealant paste. Not only does Slic-Tite Paste contain more PTFE, it contains more of the right kind of PTFE. The PTFE particles in Slic-Tite Paste are designed to stay put in the threaded joint. The more PTFE that stays locked in the pipe threads, the better the joint will perform.

SIZE OF PTFE PARTICLES
Other so-called “smooth” pipe joint compounds claim to contain PTFE. However, these compounds contain PTFE dust in order to make them smooth. PTFE dust cannot lock and compress into threaded pipe joints like the larger PTFE particles in Slic-Tite Paste. Teflon dust is extruded out of a threaded joint along with the liquid compound ingredients as the joint is tightened. Therefore, PTFE dust in “smooth” compounds can only act as a lubricant, not a sealant. Slic-Tite Paste contains a carefully selected particle size distribution of PTFE to provide positive sealing. You can see this for yourself. Feel how a threaded joint “grabs” sooner as it is tightened with Slic-Tite Paste compared to smooth compounds. This is the PTFE particles beginning to compress and seal.

FAQS
Can I use Slic Tite with a water system? It has been approved for water according to American standards, but it is not Watermark approved for Australia.

Can I use Slic Tite on plastic threads? The AGA approval has only been tested and approved for metal threads.

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