# GOSS GOOP

## HIGH PRESSURE THREAD SEALANT

Product Information Sheet | Effective Date: 25th November, 2026

**GOSS ENGINEERING**
GREASE • OIL • SYSTEM • SERVICES
15 Nelson Rd, Cardiff NSW 2285

**GOSS GOOP is a medium strength/high pressure anaerobic metal thread sealant.**

It's formulated specifically for pipe threads, joints and fittings.

GOSS GOOP is an excellent sealant for stainless steel hydraulic fittings, LPG, hydrocarbons, water, oils, gases/chemicals. Our product will not migrate into or block systems.

### PRODUCT OVERVIEW & KEY FEATURES

GOSS GOOP locks and seals metal threads, joints, and fittings to prevent loosening and leakage caused by vibration, shock, and high-pressure fluctuations.

- **Immediate Low-Pressure Resistance:** Cures anaerobically when confined in the absence of air between close-fitting metal surfaces, allowing for rapid low-pressure testing and full high-pressure sealing once cured.
- **No Migration or System Blockage:** Its viscous formulation stays where applied and will not creep, shrink, shred, or migrate into valves, gauges, or hydraulic systems.
- **Corrosion & Galling Protection:** Lubricates metal threads during assembly to prevent galling—especially on stainless steel hydraulic fittings—while sealing out moisture to prevent thread corrosion.
- **Serviceable Medium Strength:** Engineered for medium disassembly strength, allowing fittings to be separated using standard hand tools when maintenance is required.

### APPROVALS & COMPLIANCE

- **Gas Installations:** Approved for use in natural gas and LPG installations.
- **Potable Water:** Formulated for safe use in potable (drinking) water systems.

### PHYSICAL & TECHNICAL SPECIFICATIONS

| Property | Specification |
|---|---|
| **Chemical Base** | Dimethacrylate / Methacrylate Ester Blend |
| **Appearance / Colour** | Vermilion, viscous liquid |
| **Odour** | Weak odour |
| **pH** | 6.0 at 25 °C (50 g/L) |
| **Flash Point** | > 95 °C (closed cup) |
| **Water Solubility** | Slightly soluble |
| **Disassembly Strength** | Medium (Hand Tools) |
| **Max Thread Size** | Up to 3" (76 mm) |
| **Handling Cure Time** | 10 – 30 minutes |
| **Full Cure Time** | 24 hours |
| **Operating Temperature** | -50 °C to +150 °C |

## APPLICATION INSTRUCTIONS

1. **Surface Preparation:** Ensure all internal and external threads are clean, dry, and free from oil, grease, dirt, or old sealant residue.
2. **Priming (Passive Metals):** GOSS GOOP cures rapidly on active metals (such as brass, copper, and carbon steel). When applying to passive/inactive metals—including stainless steel, aluminium, or plated surfaces—or when working in cold conditions, apply an anaerobic primer/activator first to ensure fast, complete curing.
3. **Application:** Apply a continuous 360° bead of GOSS GOOP onto the leading male threads, leaving the first thread bare to prevent pushing sealant into the pipe interior.
4. **Assembly:** Thread fittings together and tighten firmly to the required torque using standard tools.
5. **Curing:** Allow adequate cure time before pressurising the system to full working pressure.

## SAFETY, HANDLING & STORAGE

- **Personal Protection:** Classified as a hazardous chemical under Australian WHS (GHS 7). Wear chemical-resistant gloves, protective clothing, and chemical splash goggles/face protection during use.
- **Ventilation:** Use only outdoors or in a well-ventilated area with local mechanical exhaust. Avoid breathing vapours or mist.
- **Storage:** Keep containers tightly closed in a cool, dry, well-ventilated, and locked location away from heat, sparks, open flames, strong oxidisers/reducers, acids, bases, and powdered metals.
- **Refer to SDS:** For complete health, first aid, and disposal information, consult the GOSS GOOP High Pressure Thread Sealant Safety Data Sheet (Australian Emergency Poisons Information Centre: 13 11 26).

## PACKAGING & ORDERING INFORMATION

| Part Number | Container Size | Carton Quantity |
|---|---|---|
| GG-007-50 | 50 mL | 12 |
| GG-007-250 | 250 mL | 6 |