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# LOCTITE 577 - Medium-strength, thread sealant

## Description

### **LOCTITE 577 Medium-strength, thread sealant**

Medium-strength, general purpose thread sealant for straight/straight and straight/taper threads and fittings. Fills the space between threaded parts and seals and locks at the same time.

LOCTITE® 577 is designed for the locking and sealing of metal pipes and fittings as well as other threaded assemblies. The product provides an instant, low-pressure seal for metal pipes and fittings. It will not creep, shrink or shred. It has excellent chemical and thermal resistance and offers less migration of liquid product after application.

- Excellent chemical resistance
- Instant low pressure seal
- Suitable for all metals
- Medium-strength, general purpose thread sealant for sealing metal threads
- Locks connection against vibration-induced loosening and other stresses
- Easy to apply
- Cures on active and inactive metals
- NSF P1 Reg. No. 123001
- DVGW Approval (EN 751-1): DVGW Reg. No. NG-5146CQ0312

## Specifications

### Technical Information

Agency Approvals / Specifications      DVGW, WRAS, NSF

Breakaway Torque, Steel M10	33.0 N·m (295.0 in./lb. )
Colour	Yellow
Key Characteristics	Thixotropic, General Purpose, Strength: Medium Strength
Operating Temperature	-55.0 - 150.0 °C (-65.0 - 300.0 °F )
Viscosity, 20 RPM	25000.0 mPa·s

## **How to Step by Step Guide**

### **1. Preparation**

Cleaning - It is recommended to use LOCTITE SF 7649 solvent-based activator for surface preparation to degrease and clean surfaces prior to applying adhesive.

Activation - With passive metals (stainless steel, aluminium and plated metals), use activator LOCTITE® 7649 (see cure speed vs activator graph in the TDS).

## **2. Application**

Apply a 360° bead to the leading male thread, leaving the first thread free.

For bigger threads, apply both on male and female threads.

(Recommended dispensing equipment: IDH 608996 50ml Hand Pump or IDH 88631 Peristaltic handgun 97001)

## **3. Assembly**

Assemble fittings using wrench tightening in accordance with manufacturers' recommendations.

## **4. Disassembly**

Disassemble with standard hand tools.

If not possible, apply localised heat to approximately 250°C; disassemble while hot.

For corroded or seized parts use LOCTITE® 8040 Freeze and Release.

**Catalogues/Families**

Stock Type	
Made to Order	

**Product Gallery**