

HYDROGEN READY THREAD SEALING SOLUTIONS

H₂ERE TO PERFORM UNDER PRESSURE



LOCTITE THREAD SEALANT PREVENTS HYDROGEN LEAKS FOR GAS BURNER MANUFACTURER

SITUATION

A company that specialises in the manufacture and installation of **industrial combustion equipment** for the commercial and industrial heating markets was experiencing challenges with their current process. They required a thread sealant for a hydrogen gas burner system that was capable of sealing various metal pipe fittings made of mild steel, brass and aluminum. The sealant needed to be DVGW EN751-1 certified and resistant to hydrogen gas as well as easy to apply and capable of preventing the pipes from loosening.

LOCTITE® SOLUTION

LOCTITE 577 Thread Sealant is used for securing and sealing pipes and fittings and other threaded metal connections. The product achieves an immediate sealing effect against low pressures in metal pipe connections. There is no creeping, shrinking or fraying. The resistance to chemical and thermal stress is excellent and the run-off of the liquid product after application is reduced.

- Excellent chemical resistance and easy to apply
- Medium-strength, vibration resistant thread sealant for metallic threads
- Immediate sealing effect against low pressures
- Curing on active and passive metals
- NSF S2 Reg. No. 123001
- DVGW approval (EN 751-1)
DVGW Reg. No. NG-5146CQ0312
- Hydrogen ready for use on metal fittings according to GASTEC QA AR 214 Class 8 – certifications are available in selected countries.



BENEFITS



Improved reliability/reduced warranty costs due to elimination of leaks in the field.



Increased productivity due to ease of application and one product compatibility for all fitting types.



Improved safety for customers by eliminating risk of hydrogen leaks.



Enhanced quality through use of EN 751-1-certified thread sealant.