



44 Blue GEL™

Thread Locker MED STRENGTH

ADHESIVE R&D®'s anaerobic adhesives and sealants represent the latest generation in anaerobic chemistry. Anaerobic threadlockers remain liquid when they are exposed to the oxygen in air, but in the lack of air, (or anaerobic environment) these products quickly polymerize and fill the inner space between the surfaces. In a continuous quest to improve the performance of anaerobic adhesive's and sealants, ADHESIVE R&D® works with leading edge engineers to push the chemistry forward, to increase cure speeds and bond strengths, and to design products that are able to cure on contaminated or inert surfaces and yet remain stable without special handling.

44 BLUE™ is a medium strength anaerobic threadlocker

for all types of metal fasteners. Use **44 BLUE™** on those jobs requiring a reliable fast setting anaerobic thread locker that allows for future disassembly of parts using hand tools and moderate

effort. **44 BLUE™** works by unitizing the fastener assembly, effectively sealing the thread path against fluid leaks and corrosion. The result is disassembly at a known unchanging torque, anytime in the future, regardless of the environment.

* Locking torque Per ASTM D5363 Specification.
3/8-16 plain finish cap screws and nuts.
Larger fasteners will increase surface area and breakaway torque.

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Physical Properties

Composition Anaerobic Methacrylates
Color Blue
Viscosity 10,000-40,000 cps
Specific Weight 1.05
Flash Point >200°F
Solvent Content None
Shelf Life @ 72°F 2 years

Curing Properties

Handling 10-15 minutes
Functional Cure Time 1-2 hours
Full Cure 8-10 hours
Locking Torque*
Breakaway 150-200 inch lb's
Prevailing 75-100 inch lb's
Temperature Range 300°F