

ADHESIVE R&D®'s anaerobic adhesive's 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.

42 BLUE™ is a medium strength anaerobic threadlocker for all types of metal fasteners. Use **42 BLUE™** on those job's requiring a reliable fast setting anaerobic thread locker that allows for future disassembly of parts using hand tools and moderate effort. **42 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.

PHYSICAL PROPERTIES

Composition	Anaerobic Methacrylates
Color	Blue
Fluorescence	Under Blue Light
Viscosity	1500 cps
Specific Weight	1.05
Flash Point	>100°F
Solvent Content	None
Shelf Life @ 72°F	2 years

CURING PROPERTIES

Handling	5 minutes
Functional Cure Time	1-2 hours
Full Cure	8-10 hours
Locking Torque*	
Breakaway	170 inch pounds
Prevailing	60 inch pounds
Temperature Range	150°C

* Per ASTM D5363 Specification.
3/8-16 plain finish cap screws and nuts.
Larger fasteners will increase surface area and breakaway torque.
42 Blue™ meets ASTM D5363 AN0321 and Mil-S-46163 TYPE II Grade N.

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