

# DEADBOLT™ 80

## THREADLOCKER/ RETAINING COMPOUND



- **HIGH STRENGTH**
- **HIGH TEMPERATURE RETAINING GRADE**

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 absence 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.

**Deadbolt 80™** is a medium viscosity high strength/high temperature retaining compound. **Deadbolt 80™** bonds bushings, bearings, and gears to shafts, creating a plastic shim which seals the joint, prevents corrosion, and ultimately protects the shaft. It is also an excellent choice for high strength/high temperature thread locking on medium size fasteners where high breakaway torques are required.

### PHYSICAL PROPERTIES

<b>Composition</b>	Anaerobic Methacrylate
<b>Color</b>	Green
<b>Fluorescence</b>	Under Blue Light
<b>Viscosity</b>	1,400-1,600 cps
<b>Specific Weight</b>	1.05
<b>Flash Point</b>	>100°F
<b>Solvent Content</b>	None
<b>Shelf Life @ 72°F</b>	2 years

### CURING PROPERTIES

<b>Handling Time</b>	Under 5 minutes
<b>Functional Cure Time</b>	15-30 minutes
<b>Full Cure</b>	2-3 hours
<b>Locking Torque</b>	(At 200°C for 1 hour)
<b>Breakaway*</b>	450-550 inch lb's
<b>Prevailing</b>	450-550 inch lb's
<b>Temperature Range</b>	350-400°F

\*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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 **Deadbolt 80™** is manufactured in Eau Claire, WI