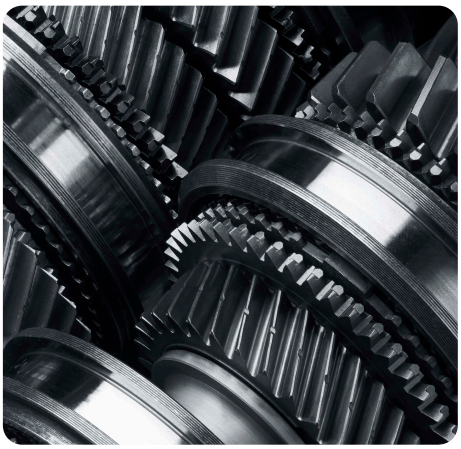
# DEADBOLT 202™

## THREADLOCKER/ WICKING SEALANT



## *EXTREME 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 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 202™** is a low viscosity wicking grade, high strength/high temperature thread locker, and porosity sealant. Because of a desire to deliver great adhesion at elevated temperatures, we developed our own multi-functional polymer backbone. **Deadbolt 202™** was originally designed as a seam sealant. Because it will utilize capillary action, climb threads, and wick against gravity, it's an excellent porosity sealant. It fixtures in minutes, and is generally ready for service after the first hour. When used with 202 Primer, the adhesive is capable of under 30 second fixture speeds, making this the go to product of high speed throughput manufacturing.

## PHYSICAL PROPERTIES

| | |
|---|---|
| **Composition** | Anaerobic Methacrylate |
| **Color** | Green |
| **Fluorescence** | Under Blue Light |
| **Viscosity** | 20-50 cps |
| **Specific Weight** | 1.05 |
| **Flash Point** | >100°F |
| **Solvent Content** | None |
| **Shelf Life @ 72°F** | 2 years |

## CURING PROPERTIES

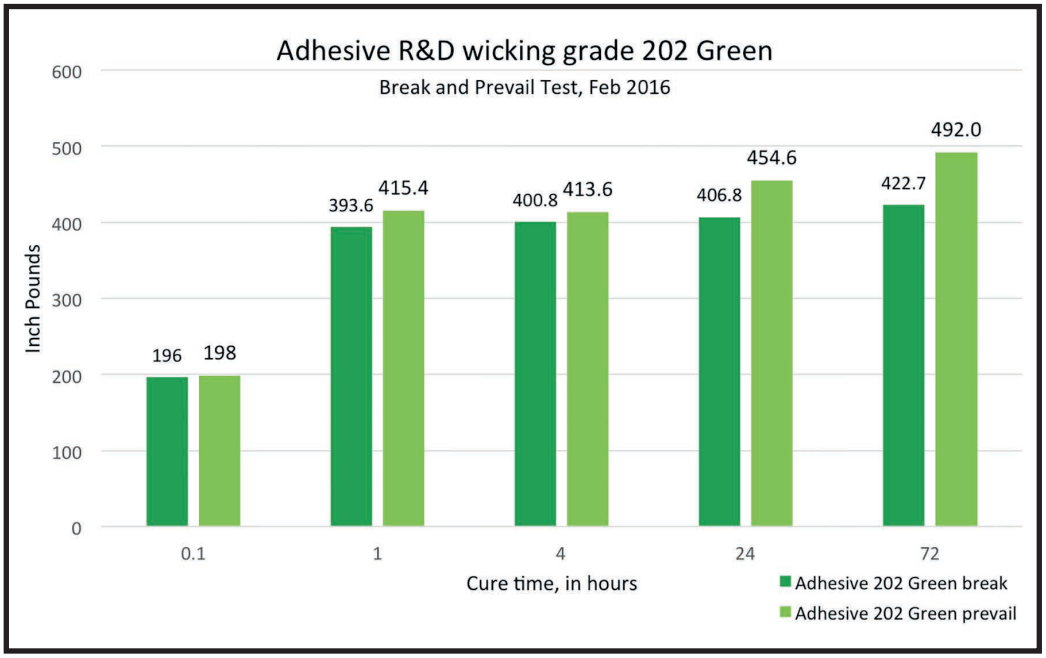
| | |
|---|---|
| **Handling Time** | 5 minutes<br>1hr > 90% full cure strength |
| **Functional Cure Time** | 6 minutes - 1 hour |
| **Full Cure** | 24 hours |
| **Locking Torque** | (At 200°C) |
| **Breakaway*** | 400-500 inch lb's |
| **Prevailing** | 400-500 inch lb's |
| **Temperature Range** | -200°C to 200°C |

*Breakaway and prevail torque per ASTM D5363 7.11 Specification.

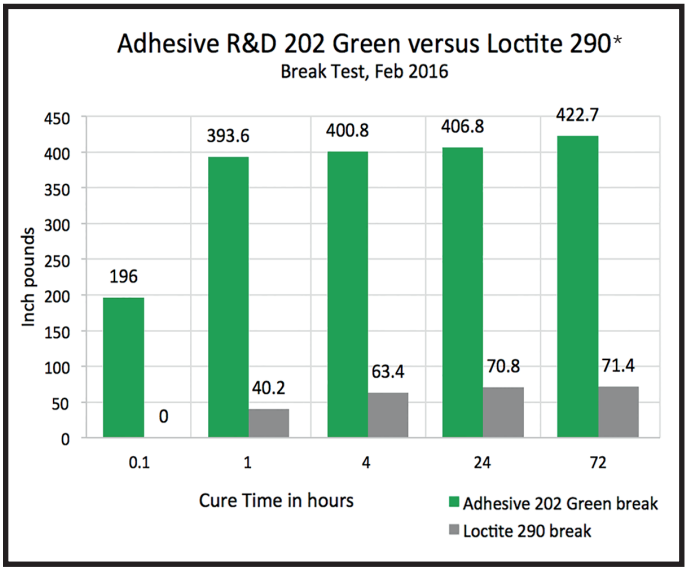
ADHESIVE R&D

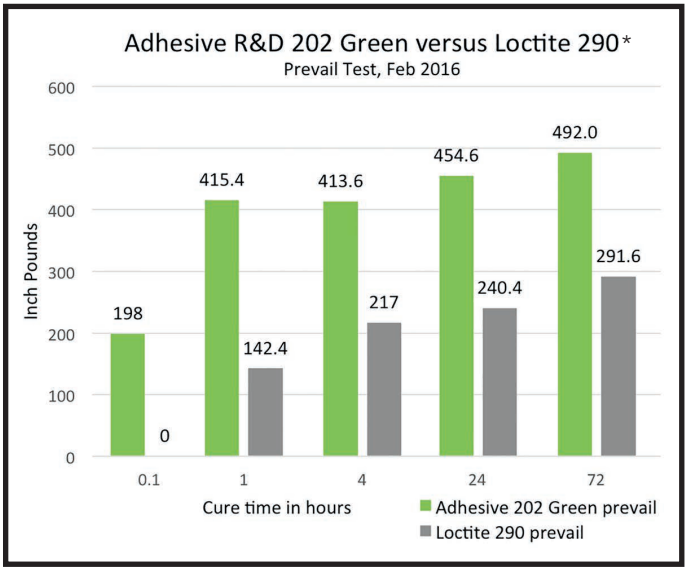
715.832.4557 sales@adhesivernd.com adhesivernd.com

A rule of thumb when using adhesives is that the thinnest adhesive that wets out across the bonding area, without running out of the bonded area before curing, is the best. This is a challenging proposition when using a very thin adhesive like wicking grade anaerobic adhesive.




**ADHESIVE R&D®** answered the challenge by creating **Deadbolt 202™**, probably the fastest curing anaerobic adhesive currently known to man. It delivers an incredible 196 inch pounds of breakaway torque in just 6 minutes, when tested in accordance with ASTM D5363.




**Deadbolt 202™** is based on proprietary polymer systems reacted in our Wisconsin facility, which delivers more strength at room temperature, or at 400°F, than Loctite®'s* 290®, or other market copies based on similar 1970's technology.

*Loctite® and 290® are registered trademarks of Henkel Corporation, a huge German conglomerate.



**Deadbolt 202™**
is manufactured
in Eau Claire, WI