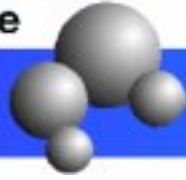


ND EPOXY-LOCK[®]

Fastener Adhesive



PreApplied

Automotive Approved
Environmentally Friendly



DESCRIPTION:

- ❑ ND Epoxy-Lock is a powerful locking & sealing factory "Pre-Applied" thread adhesive that can be applied to male or female threaded fasteners of all sizes and configurations. ND's skilled staff of engineers have developed a unique highly repeatable, environmentally friendly fastener coating process.
- ❑ ND Epoxy-Lock remains inert until the coated fastener is assembled to its mating part. The forces of engagement crush the surface skin, mix the separate epoxy components and initiate a chemical reaction which locks the parts together.
- ❑ Within minutes of assembly, ND Epoxy-Lock forms a bond between surfaces which can only be broken with a wrench. After 12 hours, Epoxy-Lock outperforms most nylon locking elements in first-off torque. At 24 hours ND Epoxy-Lock has achieved up to 80% of its ultimate cure. Curing continues for up to 72 hours following installation.



FEATURES:

- ❑ **Low Prevailing On Torque:** Assembles easily with common hand tools.
- ❑ **Exceptional Locking Power:** Extensive testing indicates that ND Epoxy-Lock provides two to four times greater breakaway torque than conventional "plastic" fastener locking devices.
- ❑ **Versatile:** ND Epoxy-Lock is compatible with all materials (even plastics) and most finishes.
- ❑ **Surpasses Industrial Fastener Institute Standards:** Epoxy-Lock meets or exceeds all torque requirements of IFI 125, IFI 525, as well as all automotive adhesive coated fastener performance specifications.
- ❑ **Long Shelf Life:** Once applied, ND Epoxy-Lock remains inert until a cure is activated by engagement with a mating thread.
- ❑ **Unaffected By Foreign Substances:** Oil, gasoline, salt-spray, acids, solvents, water, and air have virtually no effect on Epoxy-Lock when introduced after a final cure has been achieved. The cross-link molecular structure of Epoxy-Lock makes it very solvent resistant.

- ❑ **Saves Money:** ND Epoxy-Lock is less expensive than applying bottled thread locking compounds at the point of assembly.

ND Industries is committed to customer convenience. We can apply Epoxy-Lock to your fasteners at any one of our six regional service centers or we can supply you with fasteners pre-coated with Epoxy-Lock.

ND Epoxy-Lock meets or exceeds the performance requirements of the following specifications and/or standards:

AUTOMOTIVE

- ❑ Chrysler PF-6616 & MS-CC-76
- ❑ Ford ES-20007-S100, ES-20010-S100, ESS-M11P24-A1 & ESS-M11P24-A2
- ❑ General Motors GM6175M, GM6193M, GM6194M, GM6039M & GM6124M

INDUSTRIAL FASTENER INSTITUTE

- ❑ IFI 125
- ❑ IFI 525

OEM

- ❑ Detroit Diesel 9S283, 80K15
- ❑ Rockwell International Q-29
- ❑ Caterpillar 1E2486
- ❑ International Harvester PF-200

For a complete list contact ND INDUSTRIES

SPECIFICATIONS:

<input type="checkbox"/> Primary usage	Heavy duty lock
<input type="checkbox"/> Reusability	Limited
<input type="checkbox"/> Breakaway torque	Exceeds IFI 125 & IFI 525
<input type="checkbox"/> Prevailing torque	Exceeds IFI 125 & IFI 525
<input type="checkbox"/> Engagement torque	Minimal
<input type="checkbox"/> Temperature range	-65°F to +392°F
<input type="checkbox"/> Typical coating length	1½ times thread diameter
<input type="checkbox"/> Curing time	Normally 72 hours at room temperature
.....	(Faster at elevated temp.)
<input type="checkbox"/> Lead thread requirement	None
<input type="checkbox"/> Coating projection over threads	None
<input type="checkbox"/> Resin system	Curing resin
<input type="checkbox"/> Standard color	Orange (Other colors available upon request)
<input type="checkbox"/> Storage life of parts (Before use)	2 years (Extreme storage conditions affect shelf life)
<input type="checkbox"/> Competitive products	3M* Scotch-Grip*, Loctite**, Dri-Loc**

Note: See MSDS for Safety & Material Handling Instructions.

® ND Epoxy-Lock is a registered trademark of ND Industries, Inc.

* 3M and Scotch-Grip are registered trademarks of Minnesota Mining and Manufacturing Co.

** Loctite and Dri-Loc are registered trademarks of Loctite Corporation.

For more information on ND Epoxy-Lock, or any of ND Industries other quality fastening products, contact your nearest ND Service Center:

ND Western Fastener Processing Division
 13929 Dinard Avenue
 Santa Fe Springs, California 90670
 Phone: 310-926-3321
 FAX: 310-926-4266

ND Midwestern Fastener Processing Division/Chicago
 1840 Raymond Drive
 Northbrook, Illinois 60062
 Phone: 847-498-3600
 FAX: 847-498-1582

ND Midwestern Fastener Processing Division/Cleveland
 9051 Dutton Drive
 Twinsburg, Ohio 44087
 Phone: 216-425-3167
 FAX: 216-425-3065

ND Southwestern Fastener Processing Division
 3611 Dalworth Street
 Arlington, Texas 76011
 Phone: 817-633-2788
 FAX: 817-649-7730

ND Midwestern Fastener Processing Division/Detroit
 1893 Barrett Road
 Troy, Michigan 48084
 Phone: 810-362-1200
 FAX: 810-362-2737

ND Southeastern Fastener Processing Division
 2220-C Center Park Drive
 Charlotte, North Carolina 28217
 Phone: 704-329-0033
 FAX: 704-329-0975

ND Eastern Fastener Processing Division
 461 West Main Street
 Wyckoff, New Jersey 07481
 Phone: 201-891-7777
 FAX: 201-891-0322



Solutions For Fastening Technology

Corporate Offices and R&D Center

1893 Barrett Road · Troy, Michigan 48084 USA · Phone: 810-362-1209 · Fax: 810-362-1730