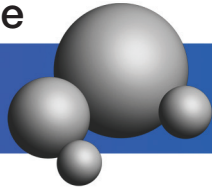


ND EPOXY-LOCK®

Fastener Adhesive



PreApplied

ND Industries® is ISO9001:2000 / AS9001B / QPL-18240F Listed / QSLM Registered

Automotive Approved
Environmentally Friendly



DESCRIPTION:

- ❑ ND Epoxy-Lock is a powerful locking & sealing factory **PreApplied** thread adhesive that can be applied to male or female threaded fasteners of all sizes and configurations.
- ❑ 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. After 24 hours, ND Epoxy-Lock has achieved up to 80% of its ultimate cure. Curing continues for up to 72 hours following installation.

FEATURES:

- ❑ **Process:** ND's skilled staff of engineers has developed a unique, highly repeatable, environmentally friendly fastener coating process.
- ❑ **Does Not Require Uncoated Lead Threads:** ND Epoxy-Lock is a soft, pliable material that will not cause or contribute to cross threading.
- ❑ **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 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 after a final cure has been achieved. The cross-link molecular structure of Epoxy-Lock makes it solvent resistant.



FEATURES CONTINUED:

- ❑ **Saves Money:** ND Epoxy-Lock is less expensive than applying bottled thread locking compounds at the point of assembly. Eliminates the need for costly lock-washers, cotter pins or castellated nuts.



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

AUTOMOTIVE

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

INDUSTRIAL FASTENER INSTITUTE

- ❑ IFI 125
- ❑ IFI 525

OEM

- ❑ Detroit Diesel 9S283; 80K15, ES15-230
- ❑ Delphi DX520402 & 520403
- ❑ Meritor Q-43, Q-29
- ❑ Caterpillar 1E2486
- ❑ Outboard Marine 1767

For a complete list, contact ND INDUSTRIES.

SPECIFICATIONS:

- Primary usage..... Heavy duty lock
- Reusability..... Limited
- Breakaway torque Exceeds IFI 125 & IFI 525
- Prevailing torque..... Exceeds IFI 125 & IFI 525
- Engagement torque Minimal
- Temperature range..... -65°F to + 392°F (-54°C to +200°C)
- Typical coating length..... 1.5 times thread diameter
- Cure time..... 72 hours at room temperature (reduced at elevated temp.)
- Lead thread requirement None
- Coating projection over threads..... None
- Resin system Curing resin
- Standard color Orange (blue and yellow available upon request)
- Storage life of parts (before use) 2 years (extreme storage conditions affect shelf life)
- Compare to..... 3M* Scotch-Grip*, Loctite** Dri-Loc**, PRECOTE 80***

©ND, ND Epoxy-Lock and ND Industries are registered trademarks 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 Henkel Corporation.
 *** PRECOTE is a registered trademark of PRECOTE USA.

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: 562-926-3321
 FAX: 562-926-4266

ND Midwestern Fastener Processing Division/Detroit
 1000 North Crooks Road
 Clawson, Michigan 48017
 Phone: 248-655-2529
 FAX: 248-655-2562

ND Industries Asia, Inc./Taiwan
 4-5 Lane 832 An-Jau Road
 Yen-Chou
 Kaoshiung, Taiwan R.O.C.
 Phone: 886-7616-7733
 Fax: 886-7616-6611

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

ND Midwestern Fastener Processing Division/Cleveland
 9051 Dutton Drive
 Twinsburg, Ohio 44087
 Phone: 330-425-3167
 FAX: 330-425-3065

ND Electronics (Kunshan) Co., Ltd.
 395 Ye Cheng Zhong Road
 Kunshan City, China 215300
 Phone: 86-512-57765335
 Fax: 86-512-57755353

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

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

ND Midwestern Fastener Processing Division/Rockford
 3954 South Central Avenue
 Rockford, Illinois 61102
 Phone: 815-963-3600
 FAX: 815-963-4195

ND Eastern Fastener Processing Division
 128-2 Bauer Drive
 Oakland, New Jersey 07436
 Phone: 201-651-1500
 FAX: 201-651-1400

Proudly Represented by:

Specialty Sales
 Manufacturer's Representative Agency
 Fasteners and Electronic Components



Ira Shushan PH 805.491.5161 Fax 805.491.5162 Email: IShushan@aol.com

Robert Lopez PH 562.833.6234 Fax 562.262.2714 Email: RLopez@SpecialtySalesReps.com

Corporate Offices

1000 North Crooks Road · Clawson, Michigan 48017 USA · Phone: 248-288-0000 · Fax: 248-288-0022
 Visit our web site at www.ndindustries.com · e-mail: ndinfo@ndindustries.com



Los Angeles · Dallas · Chicago · Rockford · Detroit · Cleveland · Charlotte · New York · Orlando
 Kaoshiung, Taiwan · Kunshan City, China