

# ND ST-3<sup>®</sup>

## Fastener Thread Sealant



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



Automotive Approved

### DESCRIPTION:

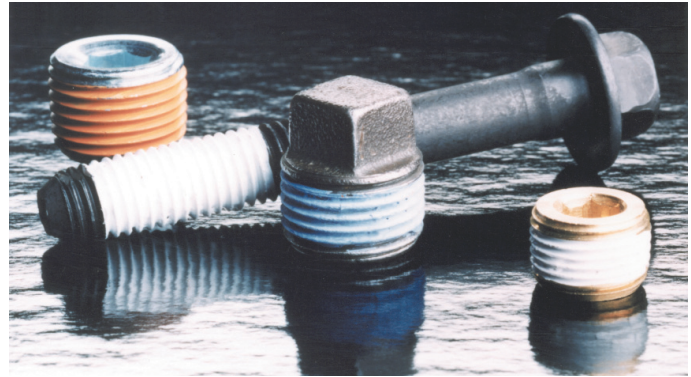
- ND ST-3 is a resilient thread sealant for straight or tapered threaded fasteners. A widely-used, Automotive Approved product, ST-3 immediately forms a custom-fitting, elastic gasket right in the threads, that prevents the passage of most fuels and chemicals, and helps keep joints tight (even under severe vibration).
- ND Industries can supply ND ST-3 as a pre-applied thread sealant or in bulk liquid or bottle form as a user-applied formula.
- ND ST-3 products are available in formulas to compete with 3M<sup>\*</sup> Scotch-Grip<sup>\*</sup>, Loctite<sup>\*\*</sup> Vibra-Seal<sup>\*\*</sup> and PRECOTE<sup>\*\*\*</sup>.

### APPLICATIONS:

- ND ST-3 is used in a broad range of sealing and locking applications, including:
  - Filler Plugs
  - Bearing Adjuster Nuts
  - Gauges & Sensors
  - Cable Connectors
  - Pipe Fittings & Plugs
  - Screws for Plastic Assembly
  - Hydraulic Fittings

### FEATURES:

- Low Prevailing On Torque:** Assembles easily with common hand tools.
- Offers Multiple Reuses:** Parts coated with ND ST-3 can be easily adjusted, removed, and reused.
- Unaffected By Chemicals:** ND ST-3 protects against corrosion from brine, chlorine, acids, and alkalis. It effectively resists natural gas, butane, propane, motor fluids, and chemical solvents.



- Saves Money:** ND ST-3 can be pre-applied to virtually any configuration and quantity of parts. **PreApplied** ND ST-3 is less expensive than applying bottled thread sealing compounds or tapes at the point of assembly.
- Resists Vibration, Remains Elastic:** Though ND ST-3 is used to seal fasteners, it also helps to lock threads by resisting vibration. It is highly resistant to thermal shock and remains elastic through a wide range of temperatures.
- Safe:** ND ST-3 is non-hazardous and non-flammable.
- User Applied:** ND ST-3 is available in many grades for use on your band applicator machinery, flow coat, or tumbling system.



Particular formulations of the ND ST-3 meet or exceed the performance requirements of the following specifications:

#### AUTOMOTIVE

- DaimlerChrysler MS-CD914, MS-CD16
- Ford WSK-M4G328-A1/A6, EST-M4G208-B2
- General Motors 9985490, 9985473
- Volvo 1262.2

#### OEM

- MACK 617GS135, 3/6 AXS7
- John Deere RES 10059
- Detroit Diesel Allison TPS 12635, 80K14, 9S317
- Bendix BW-317-P
- Rockwell/Meritor Q-56
- Briggs & Stratton GM Type A (9985473)  
GM Type AA (9985490)
- Dana PS-5040

For a complete list, contact ND INDUSTRIES.

## PROPERTIES SUMMARY:

Product	ST-3-W	ST-3-L3	ST-3-L4	ST-3-L5	ST-3L-5A	ST-3-L6	ST-3-L7	ST-3-L8	ST-3L-8A	ST-3-L9	ST-3-L10	ST-3-L11	ST-3-L13
<b>Color</b>	White	White	White	White	White	Burnt Org.	Burnt Org.	White	White	Burnt Org.	Burnt Org.	Blue	White
<b>Texture</b>	Soft	Soft	Med.	Hard	Hard	Hard	Hard	Med.	Med.	Med.	Med.	Med.Hard	Soft
<b>Pressure Resistance</b>	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000
<b>Heat Resistance</b>													
°F	>370	>370	>350	>350	>350	>350	>350	>350	>350	>350	>350	>350	>370
°C	>187	>187	>180	>180	>180	>180	>180	>180	>180	>180	>180	>180	>187
<b>Solvent Resistance</b>	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
<b>Lubricity</b>	Hi	Hi	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	Med
<b>Resealability</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Liquid</b>													
<b>Viscosity Range</b>	400-1200	25000-40000	25000-40000	4000-10000	25000-40000	25000-40000	4000-10000	4000-10000	25000-40000	25000-40000	4000-10000	1500-4000	400-2000
<b>Specific Gravity</b>	1.0-1.3	1.0-1.3	1.0-1.3	1.0-1.4	1.0-1.3	1.0-1.4	1.0-1.4	1.0-1.3	1.0-1.3	1.0-1.3	1.0-1.3	1.0-1.3	1.0-1.3
<b>Competitor Equivalent</b>	3M* Scotch Grip* 4291	3M* Scotch Grip* 4291	OmniTECHNIK PRECOTE*** 5	Loctite** Vibra-Seal** 503	Loctite** Vibra-Seal** 503HV	Loctite** Vibra-Seal** 516	Loctite** Vibra-Seal** 517	Loctite** Vibra-Seal** 503 mod.	Loctite** Vibra-Seal** 503HV mod.	Loctite** Vibra-Seal** 516 mod.	Loctite** Vibra-Seal** 517 mod.	Loctite** Dri-Seal 506	Loctite** Dri-Seal 513

Notes“mod.” indicates a modified product.

\* 3M & Scotch-Grip are registered trademarks of the Minnesota Mining & Manufacturing Company.

\*\* Loctite and Vibra-Seal are registered trademarks of Henkel Corporation.

\*\*\* PRECOTE is a registered trademark of PRECOTE USA.

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