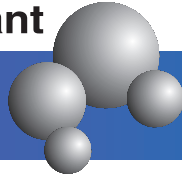


ND ST-3[®]

Fastener Thread Sealant



PreApplied
UserApplied

Automotive Approved
Environmentally Friendly

ND[®]
INDUSTRIES

DESCRIPTION:

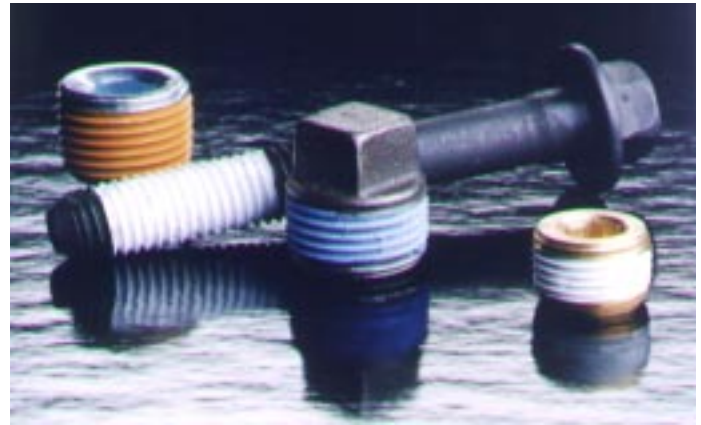
- ❑ ND ST-3[®] is a tough, resilient thread sealant for fasteners with straight or tapered threads. A widely-used, Automotive Approved product, ST-3 forms a custom-fitting, elastic gasket right in the threads, that prevents the passage of most fuels and chemicals, and helps keep joints tight (even under severe vibration).
- ❑ As with all our pre-applied products, ND Industries can apply ND ST-3 onto your fasteners at any one of our six regional service centers, or we can supply you with fasteners that are pre-coated with ND ST-3. ND Industries can supply you with ND ST-3 in bulk or in bottle form as well.
- ❑ ND ST-3 products are available in formulas to compete with 3M^{*} Scotch-Grip^{*}, Loctite^{**} Vibra-Seal^{**}, and OmniTECHNIK^{***} PreCOTE^{***}.

APPLICATIONS:

- ❑ ND ST-3 is designed to instantly seal both tapered and straight threads against most fluids, fuels, and lubricants. 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 – again and again.
- ❑ **Unaffected by Chemicals:** ND ST-3 protects against corrosion by brine, chlorine, acids, and alkalis. It effectively resists natural gas, butane, propane, motor fluids, and chemical solvents.
- ❑ **Long Shelf Life:** Once applied, ND ST-3 remains unaffected by storage.



- ❑ **Saves Money:** ND ST-3 can be factory pre-applied to virtually any configuration or quantity of parts. Pre-applied 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 ND ST-3 meet or exceed the performance requirements of the following specifications:

AUTOMOTIVE

- ❑ Ford WSK-M4G328-A1/A6, EST-M4G208-B2
- ❑ General Motors 9985490, 9985473
- ❑ Chrysler MS-CD914, MS-CD16
- ❑ MACK 023GS17002, 3/8AXS7
- ❑ John Deere RES 10059
- ❑ Detroit Diesel Allison TPS 12635, 80K14, 9S317
- ❑ Bendix BW-317-P
- ❑ Rockwell Q-56
- ❑ Volvo 1262.2
- ❑ Briggs & Stratton GM Type A (9985473)
GM Type AA (9985490)

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
Color	White	White	White	White	White	Burnt Org.	Burnt Org.	White	White	Burnt Org.	Burnt Org.	Blue	White
Texture	Soft	Soft	Med.	Hard	Hard	Hard	Hard	Med.	Med.	Med.	Med.	Med.Hard	Soft
Pressure Resistance	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000
Heat Resistance													
°F	>370	>370	>350	>392	>392	>392	>392	>392	>392	>392	>392	>392	>300
°C	>187	>187	>180	>200	>200	>200	>200	>200	>200	>200	>200	>200	>150
Solvent Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Lubricity	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
Resealability	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Liquid													
Viscosity Range	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
Specific Gravity	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
Competitor Equivalent	3M* Scotch Grip* 4291	3M* Scotch Grip* 4291	OmniTECHNIK PreCOTE*** 5	Loctite** Vibraseal** 503	Loctite** Vibraseal** 503HV	Loctite** Vibraseal** 516	Loctite** Vibraseal** 517	Loctite** Vibraseal** 503 mod.	Loctite** Vibraseal** 503HV mod.	Loctite** Vibraseal** 516 mod.	Loctite** Vibraseal** 517 mod.	Loctite** Dri-Seal 506	Loctite** Dri-Seal 513

Notes: "mod." indicates a modified product.

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

** Loctite and Vibra-Seal are registered trademarks of Loctite Corp.

*** PreCOTE is a registered trademark of omniTECHNIK GmbH.

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