



Liquid-O-Ring®

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250

LIQUI-LOK

Thread Locking Compound

ANTI-SEIZE/EXTREME
TEMPERATURE
COMPOUNDS

CLEANERS &
DEGREASERS

MULTI-PURPOSE
GREASES

PIPE COATINGS

PIPE STORAGE
COMPOUNDS

PUMP PACKINGS

RUST AND CORROSION
INHIBITORS

SPECIALTY FLUIDS

SPECIALTY LUBRICANTS

SPECIALTY SEALANTS

SPECIALTY OILS
& ADDITIVES

THREAD COMPOUNDS
(DRILLING/TOOL JOINT,
TUBING/CASING)

THREAD LOCKING
COMPOUNDS

THREAD SEALANTS

VALVE LUBRICANTS,
SEALANTS AND
CLEANERS

WIRELINE GREASES
& LINE SPRAYS



PRODUCT DESCRIPTION

250 Liqui-Lok Thread Locking Compound is a two part epoxy compound used to replace the welding of casing joints and threaded connections. 250 Liqui-Lok is unaffected by vibration, pounding, or expansion due to temperature changes. It withstands high break-out torque and provides a leakproof seal. 250 Liqui-Lok is easily mixed under varying temperatures due to its workable consistency in excess of one hour.

BENEFITS

- Friction factor of 1.5
- Mixes easily
- Workable consistency in excess of one hour
- Water resistant
- Oxidation resistant
- Withstands high breakout torque
- Provides a leakproof seal and strong permanent bond
- Self lubricating
- Unaffected by vibration and pounding
- Excellent adhesion

APPLICATION

1. Thoroughly clean male and female threads to remove all thread dope, oil, and grease.
2. Dry threads completely prior to application of Liqui-Lok.
3. Thoroughly mix contents of can; add entire bottle of hardener and continue mixing until completely uniform.
4. When used in conjunction with float equipment, apply Liqui-Lok to male threads using a putty knife or spatula.
5. Make up joints final torque without delay.

NOTE

Setting action begins immediately after addition of the hardener. The mixture will remain in a workable consistency from 45 minutes to 2 hours under average conditions. Curing time may be reduced by elevating the temperature up to 250°F (121°C) or increased by lowering the temperature. The cure seal may be broken out by heating the joint to >450°F (232°C). Wet joints or high moisture conditions may affect curing ability.

TYPICAL OBSERVATIONS 250

Chemical Family	Epoxy Polymer Resin
Color	Gray
ASTM Penetration @ 77°F (25°C)	355–365
NLGI Grade	0
Type Curing	Thermo Curing
Density, lb/gal	14.25–14.75
Specific Gravity @ 25°C	1.707–1.767
Flash Point	>400°F (>204°C)
Solubility in Water	Insoluble
Friction Factor	1.5
Shelf Life	Four years

TYPICAL OBSERVATIONS 250 Hardener

Appearance	Liquid
Color	Pale Straw Colored
Odor	Aminic
Density, lb/gal @ 77°F (25°C)	8.51
Specific Gravity	1.019
Solubility in Water	Appreciable (>10%)
Percent Volatile	Nil
Flash Point	>250°F (121°C)

COVERAGE CHART

(FOR 1 POUND KIT)

PIPE SIZE	NO. OF JOINTS
4½"	20 Joints
5½"	12 Joints
6⅝"–7"	8 Joints
7⅝"–9⅝"	6 Joints
10¾"–13⅜"	4 Joints
16"–20"	2 Joints

(FOR 1/2 POUND KIT)

PIPE SIZE	NO. OF JOINTS
4½"	10 Joints
5½"	6 Joints
6⅝"–7"	4 Joints
7⅝"–9⅝"	3 Joints
10¾"–13⅜"	2 Joints
16"–20"	1 Joint

RELATED PRODUCTS

252 Liqui-Lok II Zinc-Free, Environmentally
Friendly Thread Locking Compound

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Manufactured by

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Sales Locations:

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Made in U.S.A.

The product information and specifications listed in this publication are constantly being updated to keep up with government regulations and technology changes. Please visit our website, www.oilcenter.com, or contact your Account Representative for the most current information relating to this product.