



Liquid-O-Ring®*

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250

LIQUI-LOK

Thread Locking Compound

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

GEAR OILS

MOTOR OILS

HYDRAULIC OILS

PIPE COATINGS

THREAD SEALANTS

BEARING GREASES

SPECIALTY
GREASES

THREAD
COMPOUNDS

SUCKER ROD
COATINGS

OUTSIDE
PRESERVATIVES

WIRELINE
GREASE SEALS

CLEANERS &
DEGREASERS

PIPE STORAGE
COMPOUNDS

RUST &
CORROSION
INHIBITORS

THREAD LOCKING
COMPOUNDS

VALVE
LUBRICANTS &
SEALANTS

TOOL JOINT &
DRILL COLLAR
COMPOUNDS



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Manufactured by

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