



# Z-50™

## TOOL JOINT COMPOUND

### DESCRIPTION

**JET-LUBE® Z-50™** contains prime grade zinc and is formulated with 50% metallic zinc, meeting the metallic zinc requirements described in API RP 5A3 Annex 1. It also contains special additives to reduce the plating and buildup of metallic zinc encountered with other zinc compounds.

**Z-50** is manufactured with **JET-LUBE's** unique grease compounded from custom refined, low sulfur oil. The grease base ensures brushability over a wide temperature range, tenacious adherence to all surfaces, resistance to water wash out, and the prevention of rust/corrosion. The metallic zinc particles and other additives are maintained in uniform suspension throughout the compounds. **Z-50** displaces moisture and adhere well to wet tool joint surfaces.

- Non-plating
- Low sulfur content (<0.1% active sulfur)
- Non-reactive, no gassing
- Brushable over a wide temperature range
- Sticks to wet joints
- Consistent rig floor make-up
- Resistant to further downhole make-up

### APPLICATIONS

**JET-LUBE Z-50 Tool Joint Compounds** is designed to provide the maximum protection for tool joint threads and shoulders over a wide variety of conditions. It prevents galling and wear plus ensures consistent rig floor make-up while providing some resistance to further make-up downhole.

### PRODUCT CHARACTERISTICS

Thickener	Aluminum Complex
Fluid Type	Petroleum
Color/Appearance	Smooth Grey Paste
Dropping Point (ASTM D-566)	385°F (196°C)
Specific Gravity	1.791
Density (lbs/gal)	14.95
Oil Separation	<5.0
WT. % LOSS @ 212°F (100°C)	
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	1 ½ - 2
Penetration @77°F (ASTM D-217)	275 - 305
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	500
Weld Point, kgf	
Friction Factor (Relative to API RP 5A3 Annex I)	1.0
Service Range	0°F (-18°C) to 300°F (150°C)

This thread compound conforms with API RP 5A3 for use with rotary shouldered connections.

#### For package types and part numbers

[www.jetlube.com/resources/product-index/](http://www.jetlube.com/resources/product-index/)

#### Limited Warranty

[www.jetlube.com/assets/documents/Jet-Lube\\_Warranty.pdf](http://www.jetlube.com/assets/documents/Jet-Lube_Warranty.pdf)