

Z-40™ • Z-50™ • Z-60™

TOOL JOINT COMPOUND

DESCRIPTION

JET-LUBE® Z-40™, Z-50™, and Z-60™ all contain prime grade zinc and are respectively formulated with 40%, 50%, and 60% metallic zinc, meeting the metallic zinc requirements described in API Bulletin 5A2. All contain special additives to reduce the plating and buildup of metallic zinc encountered with other zinc compounds.

Z-40, Z-50, and Z-60 are 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, and **Z-40, Z-50, and Z-60** displace moisture and adhere well to wet tool joint surfaces.

- Non-plating
- Low sulphur content (<0.1% active sulphur)
- 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
- **Z-50** is available in Arctic and Thermal grades

APPLICATIONS

JET-LUBE Z-40, Z-50, and Z-60 Tool Joint Compounds are designed to provide the maximum protection for tool joint threads and shoulders over a wide variety of conditions. They prevent galling and wear plus ensure 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 Z-40, Z-50, Z-60	1.49, 1.78, 2.09
Density (lb/gal) Z-40, Z-50, Z-60	12.3, 14.8, 17.4
Oil Separation	<5.0
	Wt. % Loss @ 212°F (100°C)
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	1½ - 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	1.0
Recommended Torque	Per API RP 7G
Service Range	0°F (-18°C) to 300°F (150°C)

PACKAGING

	Code No.	Container Size	Shipping Wt.
Z-40	20113	30 lb.	33 lbs.
	20115	60 lb.	64 lbs.
Z-50	20413	35 lb.	38 lbs.
	20494	60 lb.	64 lbs.
	20415	65 lb.	69 lbs.
Z-60	20713	40 lb.	43 lbs.
	20715	70 lb.	74 lbs.

LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube, Inc. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube, Inc.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube, Inc. shall not be liable for incidental or consequential damages.

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