



TECHNICAL DATA SHEET

ZINC 50 TOOL JOINT COMPOUND

Whitmore's Zinc 50 Tool Joint Compound contains prime grade zinc and is formulated with 50% metallic zinc which meets the metallic zinc requirements as described in API Bulletin 5A2. Zinc 50 contains special additives to reduce the plating and build up of metallic zinc encountered with other zinc compounds.

Zinc 50 is manufactured with Whitmore's unique grease compounded from custom refined, low sulfur oil. The grease base ensures the product can be applied (brushed) over a wide temperature range. It clings to all surfaces, resists water washout, and prevents rust and corrosion. The metallic zinc particles and other additives are maintained in uniform suspension throughout the compound. Zinc 50 displaces moisture and adheres well to wet tool joint surfaces.

BENEFITS:

- Non-plating.
- Low sulfur content.
- Non-reactive, no gassing.
- Sticks to wet joints.
- Rig floor make-up.
- Resistant to further downhole make-up.

APPLICATIONS:

Whitmore's Zinc 50 Tool Joint Compound is designed to provide the maximum protection to tool joint threads and shoulders over a wide variety of conditions. It prevents galling and wear. It ensures consistent rig floor make-up while providing resistance to further make-up downhole.

ASTM #		TYPICAL CHARACTERISTICS
	Grade	1.5 - 2
D-217	Cone Penetration (Worked)	275 - 305
D-2265	Dropping Point, °F (°C)	385 (149)
Gardner Method	Density, lb/gal @ 60°F (15.5°C) Specific Gravity, g/cc @ 60°C (15.5°C)	14.8 1.78
D-92	Flash Point, °F (°C) Cleveland Open Cup	>430 (221)
D-2596	Four Ball EP Weld Point, kg	500
D-4048 (Modified)	Copper Strip Corrosion for Greases 212°F (100°C) @ 3 hrs	1A
	Thickener Type	Aluminum Complex
	Fluid Type	Petroleum
	Color/Appearance	Smooth Grey Paste
	Oil Separation, % Loss @ 212°F (100°C)	<5.0
	Recommended Torque	Per API RP 7G

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Pails

THE WHITMORE MANUFACTURING COMPANY

930 Whitmore Drive • P.O. Box 9300 • Rockwall, Texas 75087 • USA • (972) 771-1000 • Fax: (972) 722-2108
ISO: 9001/14001/TS 16949 Registered Company • <http://www.whitmores.com>

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