

Technical data

ZN 50

The logo for MOLYSLIP, featuring the brand name in a bold, italicized, sans-serif font with a registered trademark symbol, set against a red rectangular background.

Tool Joint & Drill Collar Compound

Description

MOLYSLIP ZN 50 is a water resistant, high pressure assembly and thread compound based on highly refined, low sulphur content mineral oil thickened with lithium soap and formulated to incorporate 50% metallic zinc. The product is specifically designed to prevent 'cold welding' of shoulder/collar joints and seizure of threaded connections on oilfield equipment such as Drill pipe/collars, Saver-sub to top drive connections, X-Overs, Production tooling, Ball joint shoulder connections etc.

The product is formulated to meet the requirements of *API RP 7G.

The excellent lubricating properties of MOLYSLIP ZN 50 reduces friction during assembly preventing galling, 'pick-up', seizure and wear and facilitates easier breakout for routine maintenance. The inclusion of anti-corrosion and anti-oxidant additives make the product particularly suitable for use under the most aggressive conditions in corrosive wet/humid, dirty or chemical environments where a high degree of water washout resistance is required, and effective over a wide temperature range.

**API RP 7G – "Recommended Practice for Drill Stem Design and Operating Limits".*

Features and benefits

- Low sulphur content
- Brushable at low temperature (down to -18°C)
- Excellent load carrying and anti-wear properties
- Allows consistent joint make-up
- Highly effective protection against corrosion
- Outstanding resistance to water washout
- Can be applied to cold, damp equipment

Packaging

20kg

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Instructions for use

MOLYSLIP ZN 50 should be applied manually by brush to clean, degreased and dry (where possible) tool joint threads and shoulders.

For best results apply to both mating surfaces.

Technical data (typical values)

Property	Test method	Result
Appearance	-	Smooth grey paste
Worked penetration	IP50	275-305
NLGI classification	-	1 - 2
Drop point	IP132	>180°C
SG (kg/l)	-	1.4
Corrosion resistance (EMCOR)	IP220	0:0
Base oil viscosity	IP71	150cSt
Solids content	-	>50%
4-ball weld load	IP239	500kg
Friction factor	API Mod	1.0
Operating temperature range	-	-20°C to +150°C

Storage

Store MOLYSLIP ZN 50 out of direct sunlight. Storage temperature should be controlled to between 5°C and 35°C.

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility. Issue date 06-19