

## ZN 50

## PASTE

### Drill Pipe, Tool Joint, Drill Collar Compound

#### Description

ZN 50 compound is a zinc based thread compound having 50% of high purity metallic zinc powder (conforming to the requirements of API RP 7G).

ZN 50 is a water resistant high pressure thread compound based on a lithium soap thickened, highly low sulphur content mineral oil and ensures a leak proof seal even under extreme pressures and prevent galling and wear to ensure consistent make up.

ZN 50 protects against additional make up; is easily brushable over a wide temperature range; contains inhibitors to prevent against degradation by corrosion, oxidation and exhibits very good resistance to water and water washout.

#### Benefits

- Reduces friction during assembly and prevents galling pick-up.
- Ensures consistent rig floor make up.
- Reduces seizure and wear.
- Facilitates easier breakout for routine maintenance.

#### Applications

Zinc based thread compound formulated to prevent cold welding of shoulder/collar joints and seizure of threaded connections on oilfield equipment such as drill pipes, drill collars, drill rods, joints, casings, production tools, tubings etc. Not for use on oxygen lines or oxygen enriched atmospheres.

#### Directions for Use

Clean and degrease the surface with a wire brush to remove all previous residues or any micro rust prior to application. Apply this paste with a wire brush on the surface. Do not mix with other oils or greases.

## ZN 50 PASTE

### TECHNICAL PROPERTY

Parameter	Value	Unit
Type	50% zinc metal powder, additives in grease	
Appearance	Smooth homogenous paste	
Color	Grey	
Penetration - unworked	275-305	mm/10
NLGI Grade	1-2	
Base	Lithium	
Base oil	Mineral	
Base oil flash point	+ 220	°C
Density, @ 25°C	1.58	g/cm <sup>3</sup>
Drop point	+ 185	°C
Service temperatures	-12 to + 177 (0 to + 350)	°C (°F)
Friction Factor	1.0	
Copper strip corrosion	1a	
Brushability	-12	°C
Four ball weld load	500	kg

### General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

### Disposal

All used and unused product should be disposed of in accordance with state regulations.

### Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from ASV or your local ASV distributor.

Manufactured by  
ASV Multichemie Private Limited  
W 46, TTC Industrial Area, MIDC Rabale,  
Navi Mumbai 400 701 INDIA  
Contact: +91 22 2764 2516  
Email: info@asvmultichemie.com

### Available Packaging

20 kg, 180 kg

### Shelf Life

36 months from date of manufacture in sealed condition.

### Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.

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