

**Z52**

## Extreme Duty Wire Rope & Chain Lubricant

**Zeuty 52** is semi-fluid lubricant with Molybdenum disulphide which is further fortified with graphite. This product is intended for the effective and efficient lubrication of all types of cables and steel wire ropes (textile or metal center strand) used in the heavy-lift and hoisting industry. This product is equally suitable for heavily-loaded low-speed chains operating on temperatures of up to 150 deg C (for wet lubrication).

### Features and Benefits:

- Anti-wear protection of inner and outer wire rope strands; pin and bushings of heavily loaded chains.
- Use of molybdenum disulphide to prevent wire rope strand and chain link wear
- Effectively repels moisture and water
- Provides corrosion protection against seaside salt-laden environment
- Provides corrosion protection against chemically-corrosive environment
- Resistant to high temperatures (up to 150 °C)
- Provides the possibility of dry lubrication up to 450°C (use of graphite in its formulation)
- Effectively penetrates inner wire rope strands (reaches the textile/metal center strand)
- Strong adhesion to wire rope strands, pin, bushing and chain sprockets.
- Prevents squeeze-out of lubricating medium when wire ropes are placed under heavy tension and loads.
- Prevents drop-out of product, effectively coats wire rope strands
- Extends replacement interval of wire ropes and sheaves
- Prevents adhesion of abrasive material due to thin but strong film lubrication, making inspection and control of wire rope condition easier.
- Long intervals between applications / reapplications providing less consumption.

### Applications:

Apply **Z52** directly to clean wire ropes. When applying **Z52** for the first time, it is important to make sure that the wire rope is as clean as possible to avoid foreign material or contaminants that prevent adhesion and penetration of the product into the wire rope strands. The best results are obtained when applied to a new wire rope.

When applied correctly and uniformly, 40 meters of 25mm wire can be coated per kilogram of this product (first application, on new wire). Up to 55 m of wire rope can be coated per kg during reapplication of this product.

For chain applications, clean out chain links, guides, and sprockets of rust, dust and other contaminants with appropriate solvent which will not damage the o-rings or seals of internally lubricated pins and bushings. Apply Z52 liberally on the chain making sure that each individual link is coated with the product. During 1<sup>st</sup> run of chain after application, monitor power draw of chain drive. Apply additional quantities as required to keep the drive quiet. Avoid over-application to prevent dripping / fling-out of product.

**Packaging:**

**Zeuty 52** is available in 16 kg HDPE pails.

**Typical Properties:**

<b>Zeuty Z52 Extreme Duty Wire Rope Lubricant</b>		
PROPERTY	TEST METHODS & TYPICAL VALUES	
NLGI GRADE	00 / 000	
BASE FLUID TYPE	Severely Refined Mineral	
THICKENER TYPE	Inorganic	
COLOR	VISUAL	BLACK
TEXTURE	TACTILE	SMOOTH & TACKY
WORKED PENETRATION @ 25 °C, x 0.1 mm	ASTM D 217	420 - 450
FOUR BALL WELD, LOAD, kg	ASTM D 2596	280
FOUR BALL SCAR DIAMETER (1 min, 80 °C), mm	Proprietary	45
COPPER STRIP CORROSION (24 hours, 100 °C)	ASTM D 130	1b
STEEL STRIP CORROSION (24 hours, 100 °C)	Proprietary	Nil
SERVICE TEMPERATURE	- 10 TO 150 °C	
DRY LUBRICATION TEMPERATURE	UP TO 450 °C	

**Health and Safety:**

Zeuty Specialty Lubricants are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained. Use gloves which are impervious to oil and chemicals when handling used oils. Avoid skin contact. If lubricants come in contact with skin, wash immediately with soap and water.

Manufactured in Spain for:



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