

LUBEKRAFFT® G Paste

Multipurpose assembly paste with disulphide of molybdenum



Rev.: 5220-0615

BENEFITS

- **Very low coefficient of friction under high loads**
- **It prevents the seizing and stick-slip during the assembly**
- **Excellent coverage (approximately 40 m²/kg)**
- **It protects against fretting corrosion**

DESCRIPTION

LUBEKRAFFT® G Paste is an assembly-disassembly and running-in paste based on a high synergic combination of graphite and disulphide of molybdenum into mineral oil.

APPLICATIONS

LUBEKRAFFT® G Paste is designed to make easy the assembly and its later dismantling of any type of mechanisms or machine, like bearings, axles, sliding guides, bolts...

It is applied on previously degreased metallic surfaces where it forms a sliding solid lubricants layer which prevents the metal-metal contact, decreasing the friction, protecting against wear and seizing and providing an emergency lubrication.

It is also applied successfully as a priming paste for running-in of large open gears, new or repaired. Thanks to the solid lubricant layer, it allows the plastic metal deformation under high contact pressure increasing the contact surface and preventing the pitting formation.

It is applied manually with brush, spatula, chamois cloth or gloves. It is recommended to rub in it strongly against the metallic surface to guarantee a high adhesion of the solid lubricants. It is also available in aerosol for clean and quick applications in parts with difficult or complicated access. It is recommended not to mix with other type of lubricant and to degrease thoroughly the surfaces before applying it.

TYPICAL APPLICATIONS

- Running-in for many mechanisms like gearboxes, guides, chutes, rails, tool-machine supports, threaded spindles, rack and pinion gears, dead centres...
- Priming paste for running in of large open gears in mills and kilns in Cement, Mine, Ceramic...
- Assembly (with interference or not):
 - Splined shafts
 - Bearings on shafts
 - Pumps and gears
 - Bolting
- Assembly of valves fittings
- Pre-treatment for deep drawing, cutting, punching, bending, boring, tapping tools

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FICHA TECNICA
PRODUCT DATA SHEET

SAFETY, HYGIENE and ENVIRONMENT

According the current legislation, the related Material Safety Data Sheet is available. It offers information about the product's hazards, precaution for its manipulation, first aid measures and existing environment data.

SHELF LIFE AND STORAGE

The minimum life of the product is estimated at 60 months after manufacturing if the original packing is kept unopened and stored at room temperature in a dry place, avoiding water, humidity and any ignition source.

TECHNICAL CHARACTERISTICS

| | | |
|--|---------------------|---------------------------------------|
| Operating temperature | K 50192 | -35 °C up to +450°C (dry lubrication) |
| NLGI consistency | ASTM D 217 | 1-2 |
| Density at 20°C | ASTM D 1475 | 1.4 g/cm ³ |
| Colour | K 30093 | Black |
| Base oil nature | | Mineral |
| 4-ball test, weld load | ASTM D 2596 | ≥ 5.000 N |
| 4-ball test, wear scar | DIN 51350 | 0.75 mm |
| Almen Wieland load | | ≥20.000 N |
| K coefficient for bolting: M30 x 130 (mat. 10.9) M36 x 240 (mat. 10.9) | DIN EN ISO 16047 | 0.12 0.09 |
| Press-fit test, coefficient of friction μ | | 0.08 without stick-slip |
| Heavy metals | K50147 | Free |

NOTE: these data are average values measured after different tests. Due to the large variety of working conditions, these data might not be taken as a base to define specification.

PACKAGING

1 kg can and 20 kg drum
500 ml aerosol can

For other packaging, please contact with our commercial department.