

# MOLYKOTE® D Paste

Light-colored, solid lubricant paste for assembly and running-in of metallic components

## Features & benefits

- High load-carrying capacity
- Prevents stick-slip and seizure
- Good corrosion protection
- Excellent protection against galling and fretting corrosion
- Cleanliness

## Composition

- Thickener
- Mineral oil
- Solid lubricants

## Description

MOLYKOTE® D Paste is an off-white solid-lubricant-based paste with the consistency of an NLGI 2-3 grease, made of a combination of white solid lubricants and mineral oil.

## Applications

Sliding surfaces and friction contacts exposed to heavy loads, requiring “clean” lubrication, particularly at low speeds, and as a running-in lubricant. Suitable for use on many friction contacts; electrical and domestic appliances, packaging and office machinery, precision instruments, and machinery in the food and beverage industry, as well as in textile and plastics processing machinery.

## How to use

The sliding surfaces or contact points should be cleaned. MOLYKOTE® D Paste should then be applied with a brush, rag, artificial sponge or chamois leather or be sprayed on with a spray can. It should not be used to excess like greases or oils.

## Handling precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

## Typical properties

Specification writers: These values are not intended for use in preparing specifications. Please contact your local MOLYKOTE® sales representative prior to writing specifications on this product.

| Standard <sup>(1)</sup>                                      | Test                                 | Unit   | Result               |
|--|--------------------------------------|--------|----------------------|
|  | Color                                |        | Off-white            |
| <b>Penetration, density</b>                                  |                                      |        |                      |
| ISO 2137   | Unworked penetration                 | mm/10  | 250-280              |
| ISO 2811   | Density at 20°C (68°F)               | g/ml   | 1.2                  |
| <b>Temperature</b>   |                                      |        |                      |
|  | Service temperature range            | °C     | -25 to 250           |
|  |                                      | °F     | -13 to 482           |
| <b>Load-carrying capacity, wear protection, service life</b> |                                      |        |                      |
| DIN 51 350 pt.4  | Four-ball tester (VKA) weld load     | N      | 2,600                |
| DIN 51 350 pt.5  | Wear scar under 800 N load           | mm     | 1.08                 |
|  | Almen-Wieland machine OK load        | N      | 20,000               |
| <b>Coefficient of friction</b>                               |                                      |        |                      |
|  | Press-fit test $\mu$                 |        | 0.10, no chatter     |
| <b>Resistance</b>  |                                      |        |                      |
| DIN 51 807 pt.1  | Water resistance, static, evaluation |        | 1-90                 |
| <b>Corrosion protection</b>                                  |                                      |        |                      |
| DIN 51 802   | SKF Emcor method                     |        |                      |
|  | Degree of corrosion                  |        | 0                    |
| Deyber   | Fretting corrosion                   | cycles | 36 x 10 <sup>6</sup> |

<sup>(1)</sup>ISO: International Standardization Organization. DIN: Deutsche Industrie Norm.

## Usable life and storage

When stored at or below 20°C (68°F) in the original unopened containers, MOLYKOTE® D Paste has a usable life of 60 months from the date of production.

## Packaging

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

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