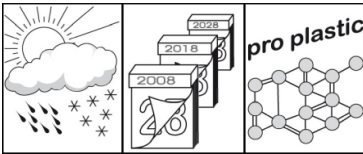


## OKS 1105 Isolating Paste



### Description

OKS 1105 prevents the formation of electrically conductive layers and minimises the risk of flashovers and dielectric losses. The insulators and switchgear covered with the paste thus maintain a good insulation resistance.

### Applications

- Sealing lubrication for electrical or electronic equipment such as relays, plug-in connections, cable lugs and lamp sockets
- Protection of insulators and switchgear in humid atmospheres, for example of junction boxes, screw terminals, overload cutouts at high-voltage pylons, connecting cables and terminal connections
- Lubricant for plastic screw connections and other moving parts of metal, ceramic, plastic

### Branches

- Shipbuilding and marine technology
- Plant and machine (tool) engineering
- Logistics
- Iron and steel industry
- Municipal services
- Paper and packaging industry
- Chemical industry
- Rail vehicle technology
- Glass and foundry industry
- Rubber and plastic processing

### Advantages and benefits

- Excellent water repellent properties
- Excellent surface wetting
- Good adhesion on glass, porcelain and plastics
- Stable consistency across a wide temperature range
- Very good resistance to chemical and weather-based influences (e.g. ozone, UV radiation)
- Neutral with regard to many materials
- Small change in the dielectric properties across a wide temperature range

### Application tips

For optimum effectiveness, clean the point to be protected. Best way is to clean mechanically first and then with OKS 2610/OKS 2611 universal cleaner. Apply OKS 1105 evenly. Avoid excesses. Observe the plant manufacturer's instructions. If the protective layer is saturated with conductive particles, remove these and apply a new coating.

### Packaging

- 500 g Can
- 5 kg Hobbock

# OKS 1105

## Isolating Paste

### Technical data

|                                           | Standard               | Conditions                           | Unit              | Value                    |
|-------------------------------------------|------------------------|--------------------------------------|-------------------|--------------------------|
| <b>Main components</b>                    |                        |                                      |                   |                          |
| base oil                                  |                        |                                      |                   | polydimethylsiloxane     |
| thickener                                 |                        |                                      |                   | inorganic                |
| <b>Application related technical data</b> |                        |                                      |                   |                          |
| marking                                   | analogue to DIN 51 502 |                                      |                   | MSI23S-40                |
| drop point                                | DIN ISO 2176           |                                      | °C                | without                  |
| unworked penetration                      | DIN ISO 2137           |                                      | 0.1 mm            | 245-275                  |
| resistance to oxidation                   | DIN 51 808             | 100h/99°C                            | bar               | < 0.3                    |
| lower operating temperature               |                        |                                      | °C                | -40                      |
| upper operating temperature               |                        |                                      | °C                | 200                      |
| colour                                    |                        |                                      |                   | light-coloured           |
| density                                   | DIN EN ISO 3838        | at 20°C                              | g/cm <sup>3</sup> | 1.05                     |
| <b>Product specific technical data</b>    |                        |                                      |                   |                          |
| dielectric constant                       |                        | 10 <sup>2</sup> - 10 <sup>5</sup> Hz |                   | 2.75                     |
| evaporation loss                          | DIN 58 397-1           | 30h, 200°C                           | percent in weight | < 2.5                    |
| dielectric strength                       | DIN 53 482             |                                      | kV/mm             | approx. 35               |
| specific resistivity                      | DIN 53 482             | 25°C                                 | Ω cm              | approx. 10 <sup>14</sup> |

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.