



Molykote® pastes consist of a high concentration of solid lubricants dispersed in oil for convenient application. In cases where oils and greases are squeezed out of the lubricating contact, solid lubricants form tenacious adhering films, which prevent damages under extreme loads and low speeds. Major applications are initial assembly and running-in.

### Molykote® 1000

- | **Description** – Solid lubricant paste for bolted metal joints; Contains no lead or nickel.
- | **Applications** – Suitable for bolted connections that are subjected to high temperatures up to 650°C and to corrosive impacts, and which, after assembling and the initial operation, have to be re-tightened or disconnected. In order to ensure constant pre-tensioning forces, uniform and steady coefficients of friction of the lubricant are necessary. Used successfully for cylinder head bolts, nozzle head screws of plastic injection molding machines, bolted connections in the chemical industry and also for the tension rings of centrifuges.
- | **Features** – Can be used over a wide range of temperature; High load-carrying capacity; Enables non-destructive dismantling, even after long use at high temperatures; Coefficient of friction unchanged in the area of oiled bolts, even after several bolt re-tightening and loosening processes; Good corrosion protection.
- | **Composition** – Solid lubricants; Mineral oil; Thickener; Powdered metal.
- | **Temperature Range** – From -30 to +650°C
- | **Packages** – Aerosol: 400ml; Tube: 100g; Cans: 250g, 1kg; Pail: 25kg; Drum: 180kg

### Molykote® HSC Plus

- | **Description** – Solid lubricant paste; Contains no lead or nickel.
- | **Applications** – Used for metal/metal combinations that are subjected to high temperatures and frictional contacts, typically for bolted joints. Suitable for lubrication points with low speeds, subjected to high temperatures and corrosive effects and also require a low and constant coefficient of friction. Applied as a contact lubricant for electrically conducting components. Used successfully for stud bolts of gas and steam turbines, stud bolts of turbochargers of diesel engines, flanged connections in chemical and petrochemical plants.
- | **Features** – Can be used over a wide range of temperature; Enables non-destructive dismantling, even after long use at high temperatures; High load-carrying capacity; Due to stated coefficient of friction, defined pre-tensioning forces for bolted joints can be achieved; Good corrosion protection; Good electrical conductivity.
- | **Composition** – Mineral oil; Thickening agents; Solid lubricants; Metal powder (lead free).
- | **Temperature Range** – From -30 to +1100°C
- | **Packages** – Aerosol: 400ml; Tube: 100g; Cans: 250g, 1kg; Pail: 5kg

## Molykote® P-37

- | **Description** – Extremely pure, solid lubricant paste for bolted joints. It contains no lead, nickel, sulphur, chlorine or fluorine.
- | **Applications** – Suitable for screws, nuts and bolts that are subjected to extremely high temperatures and which are made of heat-resistant or extremely heat-resistant steels, e.g. those made from nickel-based alloys. Used successfully for the bolted joints of gas and steam turbines and in power stations.
- | **Features** – Highly pure (less than 500mg of sulphur, less than 200mg of chlorine and fluorine per kg of lubricant); Can be used at temperatures up to +1400°C; Coefficient of friction in the range of oiled bolts; Low scatter of pre-stressing forces on tightening; Avoidance of stress cracks and solder brittleness; Enables non-destructive loosening of bolted joints even after long use at high temperatures.
- | **Composition** – Solid lubricants in practically sulphur free, partly synthetic oil; Thickener; Adhesion improver.
- | **Temperature Range** – From -40 to +1400°C
- | **Packages** – Cans: 500g, 1kg; Pail: 25kg

## Molykote® P-74

- | **Description** – Solid lubricant paste used in the assembly and fitting of a wide range of components such as metal threaded connections.
- | **Applications** – Suitable for a wide range of applications in the chemical, petrochemical, paper and automotive industry, and in engineering, wood and plastic processing; Used on bolted connections, sliding contact bearings, linear sliding guides, splined shafts, press-fit joints, exhaust bolts, spark plug threads, flanges and flange seals, door hinges, brake mechanisms and plate springs.
- | **Features** – Metal-free; Good corrosion protection; High load-carrying capacity; Coefficient of friction is of the same order as for oiled bolts; Low scattering of pre-tensioning force; Prevention of stress cracking and brittleness; Wide service temperature range.
- | **Composition** – Solid lubricants; Synthetic oil; Thickener; Adhesion promoter.
- | **Temperature Range** – From -40 to +200°C as a paste, up to +1500°C as a dry lubricant
- | **Packages** – Cans: 500g, 1kg; Pail: 25kg