



Product Data

## Molub-Alloy™ Paste HT

High temperature assembly paste

### Description

Castrol Molub-Alloy™ Paste HT (previously called Optimol™ Paste HT) is a copper-colored, high temperature assembly paste for thermally loaded screw connections and fits. The extraordinarily good separating ability at temperatures up to + 1100°C/ + 2012°F prevents burning, welding or scaling of connections even for extremely long periods of time.

### Application

For screw connections and other connections in the high temperature range up to +1100°C/+2012°F.

- For fittings and instruments even when subjected to very high pressures, corrosion and thermal influences that require an assembly paste with excellent sealing properties.
- Temperature application range: - 30°C/- 22°F up to + 1100°C/+ 2012°F.

### Conditions of Use

- Clean surface. Apply an even layer of Molub-Alloy Paste HT with brush or lint-free cloth.
- To achieve a good sealing effect, apply Molub-Alloy Paste HT in sufficient quantity down to the thread root.
- Before assembly coarse contamination should be removed from the threads with a steel brush.
- Molub-Alloy Paste HT is only suited for paste-specific applications - it cannot replace oil or grease lubrication.
- Please avoid mixing with other pastes, greases or oils.

### Advantages

- Easy handling, soft and spreadable consistency.
- Extreme load-bearing capacity.
- Protects against corrosion and scaling.
- Prevents welding, seizing and burning.
- Excellent separating ability.
- Limited resistance to acids and alkaline solutions.
- Good sealing effect.

## Typical Characteristics

| Name                               | Method           | Units             | Molub-Alloy Paste HT                                   |
|------------------------------------|------------------|-------------------|--|
| Appearance                         | Visual           | -                 | Copper Coloured Smooth Paste                           |
| Base                               | -                | -                 | Solid lubricants/grease-like carrier/<br>synthetic oil |
| NLGI Number                        | -                | -                 | 1  |
| Worked Penetration                 | DIN ISO 2137     | 1/10 mm           | 300 - 330  |
| Density @ +20°C                    | Inhouse method   | kg/m <sup>3</sup> | 1360   |
| Water Resistance @ +90°C           | DIN 51807        | Assessment Stage  | 0  |
| Erichsen Screw Test Total Friction | DIN EN ISO 16047 | -                 | 0.11   |

Subject to usual manufacturing tolerances.

**This product was previously called Optimol Paste HT. The name was changed in 2015**

Molub-Alloy™ Paste HT

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