

## MOLYKOTE® CU-7439 PLUS PASTE

**Copper paste for components subjected to high temperatures, high pressures and corrosive influences**

### FEATURES

- ◆ Wide service temperature range
- ◆ Good pressure resistance
- ◆ Very adhesive and resistant against water wash-out
- ◆ Good corrosion protection
- ◆ Low evaporation
- ◆ No drop point

### COMPOSITION

- ◆ Powdered copper
- ◆ Partly synthetic oil
- ◆ Inhibitor

### APPLICATION

- ◆ Well suited for all areas which need to be protected against water, steam and corrosion, e.g. brake mechanisms, flange seals, exhaust bolts.

### TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact Dow Corning GmbH, Wiesbaden, Germany before writing specifications on this product.

Standard	Test	Unit	Result
	Colour		Copper coloured
	<b>Consistency, density, viscosity</b>		
ISO 2137	Unworked penetration	mm/10	280-310
DIN 53 217	Density at 20°C	g/ml	1.0
DIN 51 562	Base oil viscosity at 40°C	mm <sup>2</sup> /s	1100
	<b>Temperature</b>		
	Service temperature	°C	-30 to +650; paste effective to +300
ISO 2176	Drop point	°C	None
	<b>Load-carrying capacity, wear protection, service life</b>		
	Four-ball tester		
DIN 51 350 pt.4	Weld load	N	2500
DIN 51 350 pt.5	Wear factor under 800N load Almen-Wieland machine OK load	mm N	1.0 >20000
	<b>Coefficient of friction</b>		
	Press-Fit test $\mu =$		0.07
	Screw test:		
	Coefficient of friction of bolt connection M12, 8.8, blackened surface		
	- $\mu$ thread		0.17
	- $\mu$ head		0.10
	Initial break-away torque (M12 with starting torque $M_a=80\text{Nm}$ and heat treatment at 300°C, 21h, bolt material: C 45, 8.8, mat.no. 1.0503)	Nm	110
	<b>Resistance</b>		
DIN 51 807 pt.1	Water resistance, static, evaluation		1-90

## TYPICAL PROPERTIES (continued)

Standard	Test	Unit	Result
	<b>Corrosion protection</b>		
DIN 52 802	SKF-Emcors method		
	Degree of corrosion		0

### HOW TO USE

#### How to apply

If possible, contact surfaces should be cleaned. Then apply paste with a brush or cloth. Excess lubricant need not be removed. MOLYKOTE Cu-7439 Plus Paste can be used in grease guns and centralised lubrication systems.

### HANDLING PRECAUTIONS

A Product Safety Data Sheet should be obtained from your nearest Dow Corning sales office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

### USABLE LIFE AND STORAGE

When stored at or below 20°C in the original unopened containers this product has a usable life of 60 months from the date of production.

Dow Corning will guarantee the usable life of this product until the date indicated on the packaging. This date is shown by the letters "EXP" (meaning Expiry) followed by 4 digits, which stand for the month (last day) and year. Example: "EXP 03/99" means use by 31 March 1999.

### PACKAGING INFORMATION

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

### LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

### HEALTH AND ENVIRONMENTAL INFORMATION

Dow Corning's Health, Environment and Regulatory Affairs (HERA) Department is available to support

customers for their product safety needs. For further information, you can contact this group at:

Dow Corning Europe  
HERA Department  
Rue Général de Gaulle, 62  
B-1310 La Hulpe  
Belgium  
TEL:  
Int +32 (0)2 655 2523  
Int +32 (0)2 655 2304  
FAX:  
Int +32 (0)2 655 2013



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**UNITED KINGDOM, NORDIC COUNTRIES,  
BENELUX, SOUTH AFRICA, EIRE & MIDDLE EAST**

Dow Corning  
UNITED KINGDOM  
Tel: INT + 44 (0)1 676 52 80 00  
Fax: INT + 44 (0)1 676 52 80 01

**POLAND**

Dow Corning Polska Sp. zo.o.  
Tel: INT + 48 (0)22 645 14 45  
Fax: INT + 48 (0)22 645 14 40

**AUSTRIA, GERMANY, SWITZERLAND &  
EASTERN EUROPE**

Dow Corning GmbH  
GERMANY  
Tel: INT + 49 (0)611 - 23 71  
Fax: INT + 49 (0)611 - 237 610

**SPAIN & PORTUGAL**

Dow Corning Ibérica S.A.  
SPAIN  
Tel: INT + 34 (0)93 - 405 12 15  
Fax: INT + 34 (0)93 - 405 38 94

**ITALY & EASTERN MEDITERRANEAN  
COUNTRIES**

Dow Corning S.p.A.  
ITALY  
Tel: INT + 39 039 - 60 711  
Fax: INT + 39 039 - 68 99 660

**FRANCE & NORTH AFRICA**

Dow Corning France S.A.  
FRANCE  
Tel: INT + 33 (0)4 72 84 13 60  
Fax: INT + 33 (0)4 72 84 13 79

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