

# Copper Paste

## Introduction

Copper Paste is a protecting, separating and lubricating agent for highly stressed parts, used as assembly lubricant for threaded joints and sliding surfaces of all kinds.

Even with high temperatures and corrosive atmospheres, fretting corrosion and seizing is prevented efficiently. The strongly-adhering paste consists of special additives and a combination of solid lubricants made of graphite and copper particles. This ensures low friction values in threaded joints and excellent separating characteristics.



Copper Paste provides an efficient lubricating and separating layer on plugin tools, wear bushings and threaded, plugged-in or bayonet joints of all kinds, thus protecting the functional surfaces from corrosion and seizing.

## Technical data

Consistency assignment (DIN 51818)	NLGI-Class 1
Colour	Copper
Thickener	Aluminium complex soap
Basic oil	Mineral oil
Solid lubricant	Copper / Graphite
Coefficient of friction (acc. to DIN 946)	0,11 - 0,13
Total	0,12 µ
Thread	0,11 µ
on upside down	0,13 µ
VKA-Test (DIN 51350) / Welding load	3200 N
Density	1,1 g/cm <sup>3</sup>
Kinematic viscosity basic oil (+40°C DIN 51562)	180 mm <sup>2</sup> /s
Drop point (IP 396)	+ 180 °C
Worked penetration (DIN Iso 2137)	310 to 340 1/10 mm
Temperature resistance	- 20 to + 1.100 °C

## Pretreatment of the surface

Clean and degrease surfaces with WEICON Cleaner S.

## Processing

Shake can before use and apply the material evenly from a distance of approx. 15 cm. On threads it is important that Copper Paste is applied down to the thread root to ensure a good sealing effect. Copper Paste must not be mixed with greases or oils to avoid changes in the material characteristics. Copper Paste does not replace oil or grease lubrication.

## Storage

Protect from heat and direct solar radiation. Storage temperature may not exceed +50°C. Store container at cool and aired place. Keep in a cool place.

## Note

Any product specifications and recommendations given herein must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do warrant the continuously high quality of our products being free from defects in accordance with and subject to our General Sales Conditions. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

### WEICON GmbH & Co. KG (Headquarter)

Königsberger Str. 255 · DE-48157 Münster  
P.O. Box 84 60 · DE-48045 Münster  
Germany

Tel. +49 (0) 251 / 93 22-0  
Fax +49 (0) 251 / 93 22-244  
Fax +49 (0) 251 / 93 22-233 Export  
www.weicon.de · info@weicon.de

### WEICON Middle East L.L.C.

Jebel Ali Ind Area 3 · P.O. Box 118 216  
Dubai · U.A.E

Phone +971 4 880 25 05  
Fax +971 4 880 25 09  
Mobile +971 50 545 99 83  
www.weicon.ae · info@weicon.ae

### WEICON Inc.

20 Steckle Place · Unit 20  
Kitchener · Ontario · N2E 2C3  
Canada

Phone +1 519 896 5252  
Fax +1 519 896 5254  
Cell +1 519 590 5168  
www.weicon.ca · info@weicon.ca

### WEICON Kimya Sanayi Tic. Ltd. Şti.

Yenibosna Mahallesi Yalçın Koreş Caddesi  
Arifağa Sokak No: 29 Kat: 3  
34530 Yenibosna – İstanbul Turkey  
www.weicon.biz.tr · info@weicon.biz.tr

### WEICON Romania SRL

Str. Depozitelor 22  
540240 Targu Mures, jud. Mures Romania  
www.weicon.com · office@weicon.com