



JETEXINDIA

METAPLAT PASTE

Copper & Solid Lubricant Paste

Technical Data Sheet

Copper and solid lubricants paste for all nuts, bolts, screws, threaded connections; lead and nickel free

Benefits

- Extremely wide service temperature range from -18°C to +1100°C.
- Eliminates metal-to-metal contact and maintains lubrication qualities under wide variations of temperature, pressures and adverse operating conditions.
- Prevents fretting, galling, tightening, welding of mating surfaces.
- Protects against galvanic corrosion between dissimilar metals in contact.
- Enables faster and rapid assembly and non-destructive disassembly even after long term exposure to high temperatures and corrosive atmospheres.
- Prevents stripping and cold-welding of threads and avoids sintering, fusion, thread stripping, bolt breaking and distortion.
- Low friction properties reduce wear and friction to increase life of the equipment and avoid costly replacements.
- Highly resistant to hot and cold water, steam, humidity, brine water, mild acids and alkalis, corrosion, aging and oxidation.

Available Packaging

- 500 g (brushtop)
- 1 kg
- 5 kg
- 20 kg

Shelf Life

24 months from date of manufacture in sealed condition.

Applications

Anti seize, anti rust & effective lubricant for protection of parts operating under severe corrosion, temperatures and steam, humidity, water or chemical attack as: studs, nuts, bolts, screws, pipes, keys, u-bolts, splines, taps, slides, seals, slippers, joints, plugs, gears, chains, exhausts sprockets, valve stems, manifolds, couplings, adapters, bearings, gaskets, packings, drills, bushings, king pins, spindles.

For use on all threaded and flanged connections operating at very high temperatures to prevent seizure, corrosion and atmospheric influences as in: cat crackers, autoclaves, cylinder heads, furnace bolts, generators, fuel feed nozzles, boilers, reactors, ladles in steel plant, turbines, burners, extrusion mandrels, ovens, soot blowers, blast furnaces, pumps, engines, steel plant equipment, compressors, heat exchangers.

For use in oil rigs, refineries, petrochemical, chemical & fertiliser plants as a heavy duty thread assembly compound, pipe sealant and anti corrosion compound for components exposed to very high temperatures, steam, hot, cold, brine water, humidity, corrosive or chemical environments to provide protection, effective lubrication, sealing and corrosion protection and prevent seizure, jamming and rusting even after long operational hours under very severe conditions.

For use in rotary kilns in cement plants as a high temperature, extreme pressure, low friction lubricant for effective lubrication of live ring supports.

Methods of Application

Clean and degrease the surface prior to application. Remove all coatings, greases, dirt, grime, loose rust and scales by means of a fine thin wire. Apply METAPLAT liberally by means of a stiff wire brush on to the surface and evenly right down to the roots of threads. Excessive compound provides a good sealing effect and need not be removed. Do not mix with conventional oils and greases.

Note METAPLAT is not for use as a lubricant for high-speed bearings. However it may be used for lubrication of heavily loaded bearings under very slow speeds.

JETEX INDUSTRIES

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www.jetexindia.com



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Technical Properties

Parameter	Value	Unit	Standard
Type	Solid lubricants, metal powders and additives in oil		
Appearance	Smooth homogeneous paste		
Color ¹	Copper		
Penetration			
- worked, 60	280-310	mm/10	ASTM 217
- unworked	250-280	mm/10	
NLGI class	1-2		DIN 51 818
Density, @ 25°C	1.3-1.4	g/cm ³	
Drop point	None	°C	ASTM D 566
Service temperatures ²	-18 to +1100	°C	
SKF-Emcor method	0 / 0		
Degree of corrosion	(no corrosion)		DIN 51 802
Water resistance, static evaluation	1-90		DIN 51 807 pt.1
Coverage	40	m ² /kg	

1. Minor Color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.

2. Solid lubricants maintain lubrication up to +1100°C