

Germ-Allcard Priamus X7

Optimum performance multi-purpose wire drawing lubricant for copper

Description

Priamus X7 is the best choice for the rod breakdown of bare copper. This semi-synthetic biostable fluid can also be used for the drawing of intermediate wire sizes. The emulsion lifetime is very good and the resistance to tramp oil leaks ensures cost-effective operations.

Applications

Copper: Priamus X7 is suitable for drawing all wire sizes from rod to fine wire on all types of drawing machines. It is also suitable for both multi-wire and in-line drawing machines. Priamus X7 emulsions are fit for use in continuous annealers with a 1-2% concentration.

User instructions

1. Use a system cleaner during the disposal of previous emulsions, to ensure maximum results. To obtain its unique biostability it is essential to remove copper soap deposits before applying Priamus X7.
2. This fluid is biostable when used at the recommended concentration levels as mentioned in the table below.
3. Priamus X7 is suitable for all water types. However, for maximum performance we recommend the use of soft or de-ionised water.
4. In order to preserve the integrity of this product, drums should be stored inside a building protected from frost and direct sunlight.
5. Avoid exposure to extreme temperatures and the ingress of moisture. Priamus X7 must have a temperature above 5°C before emulsion make-up.
6. The correct mixing procedure is to add Priamus X7 concentrate to water and stir. For this operation we recommend positive displacement (Dosatron type) mixing units.

	Entry diameter (mm)	Recommended concentration
Rod	6.0 – 14.0	10-12 %
Medium	2.0 – 3.0	4-6 %
Fine/Super fine	0.4	2-4 %

Note: In some circumstances, it is beneficial to exceed the recommendations shown above.

Environment, Health and Safety

Please consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues. Germ-Allcard Priamus X7 is biocide, boron and formaldehyde free. It is compliant with the TRGS 611 specification. This ensures environmental safety & operator health.

Properties

	Method	Unit	Typical
Appearance (Neat)	Visual	-	dark amber oil
Appearance (Emulsion)	Visual	-	semi translucent
Density, 20 °C	D 4052	g/ml	0.96
pH 5% in DI water	E 70	-	8.7
Refractometer Factor	-	-	1.0
Acid Split Factor	Babcock	-	1.28

The figures above are not a specification. They are typical figures obtained within production tolerances.

Remarks

Please contact your Q8Oils representative for further advice and support on your specific application and equipment.