

Germ-Allcard Wirol 2020

Extreme performance wire drawing lubricant for intermediate, fine and superfine wire

Description

Wirol 2020 is a full synthetic, extreme clean water soluble drawing lubricant with a very high lubricity. It is specially developed for drawing intermediate, fine and super fine wire sizes of plain copper, tinned copper, precious metals and harder metals like nickel and silver plated copper wires. Wirol 2020 uses the latest technology additives with inverse solubility to provide extreme pressure characteristics. Together with its superior cleanliness, this results in a superior die life.

Applications

Wirol 2020 can be applied in all wire drawing applications, both single and multi-wire. It is especially recommended for the tandem in-line drawing or rolling for enamelling. Further specialised applications include the drawing of nickel- & silver plated copper wires, as well as the drawing of precious metals.

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 Wirol 2020.
2. This fluid is biostable when used at the recommended concentration levels as mentioned in the table below.
3. Wirol 2020 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. Wirol 2020 must have a temperature above 5°C before emulsion make-up.
6. The correct mixing procedure is to add Wirol 2020 concentrate to water and stir. For this operation we recommend positive displacement (Dosatron type) mixing units.

	Entry diameter (mm)	Recommended concentration
Intermediate	3.5	4-8%
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 Wirol 2020 is boron and formaldehyde free. It is compliant with the TRGS 611 specification. This ensures environmental safety & operator health.

Properties

	Method	Unit	Typical
Appearance (Concentrate)	Visual	-	clear blue fluid
Appearance (Emulsion)	Visual	-	clear blue solution
Density, 20 °C	D 4052	g/ml	1.09
pH 5% in DI water	E 70	-	8.5
Refractometer Factor	-	-	1.8

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.