

METALWORKING&CLEANING FORMING&PROTECTION PRETREATMENT PAINTSHOP

HAKUFORM WIRE DRAWING PRODUCTS

FOR MANUFACTURING AND PROCESSING OF COPPER AND BRASS WIRE

The **HAKUFORM** wire series offers top performers which are optimizing your process for all applications in copper wire production. The use of selected and innovative raw materials improves the surface quality and increases the processing speed, thus creating the basis for the development towards e-mobility and the trend to decentralized energy supply.

HAKUFORM 70-4 OF is a formaldehyde-free EP coolant emulsion that is used for copper wire cold rolling and first drawing. This product is characterized by high forming performance, good surface quality and easy washability.

HAKUFLUID CWD is a clearly water-soluble, boronfree, full synthetic wire drawing agent for second and third drawing with a very good sliding effect and lubrication.

HAKUFORM 10-80s are paraffin-containing release agents and lubricants ("winding aids"), even the finest copper (enameled) wire can be wound up and down at the highest speed.

The HAKUFORM Wire series is not only suitable for copper, but in many cases also for brass, bronze, steel (bright or galvanized) and stainless steel wire. Frequent applications are the production of oxygen-free copper (OFC) or copper alloys, wire strands for electrical lines or "hairpins" for high-performance electric motors as well as thick wire or the finest enameled copper wire. Benefit from our application know-how by using perfectly coordinated HAKUPUR cleaners for pre-, intermediate and final cleaning.

ADVANTAGES HAKUFORM 70-4 OF Optimal wetting and film formation High forming capability Formaldehyde-free High surface quality Free of chlorine, boron and secondary amines **HAKUFLUID CWD** Very good corrosion protection Free of boron, nitrite and secondary amines Good sliding and lubricating properties **HAKUFORM 10-80s** Low aromatic content Very mild odour Different paraffin contents, suitable for your application

This is **#TotalWireProcessing**.

For cold rolling, first drawing Formaldehyde & solvent free, **HAKUFORM 70-4 OF** powerful, easy to wash off and cold forming High drawing performance For second and third drawing **HAKUFLUID CWD** & surface quality Winding aids for fine wire Low aromatics, mild odor, **HAKUFORM 10-80s** with different paraffin content and enameled copper wire Cleaner for pre-, intermediate Perfectly matched **HAKUPUR CLEANER** to the respective application and final cleaning