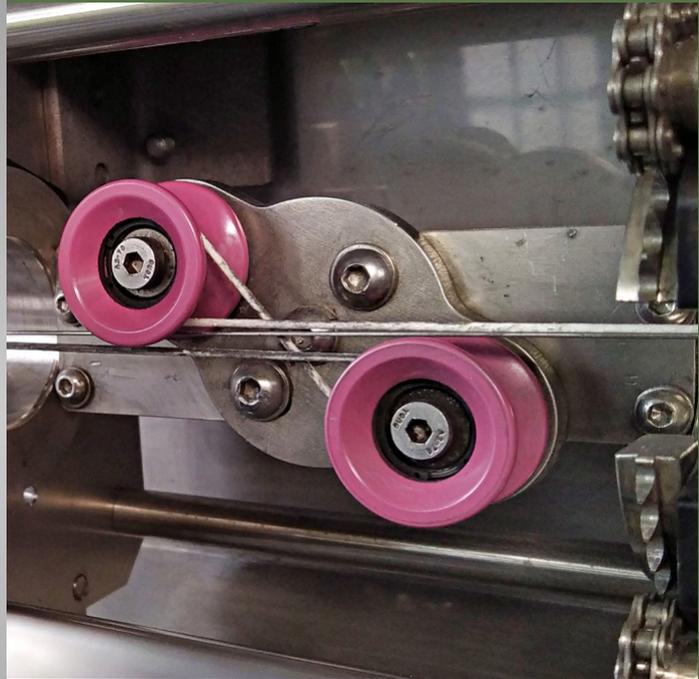


Boockmann  
Engineering GmbH



2024



Skim-pass dispersion

Made in Germany

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## I. Skim-Pass Dispersion NB10H038

### Task

The copper layer of both chemically and electrolytically copper-coated welding wire is not compacted. It appears dull due to loose copper particles. Therefore, a final drawing step, the so-called skim pass, is necessary. Lubricants used are oils and dispersions. They may not be too viscous so as not to destroy the weak adhesion between copper and iron.

The viscosity of our water-dilutable skim pass dispersion can easily be adjusted for specific requirements by adding water. The values in the table below refer to the most typically used concentration; a higher viscosity version is available upon request. Our dispersion contains a highly effective additive for corrosion protection.

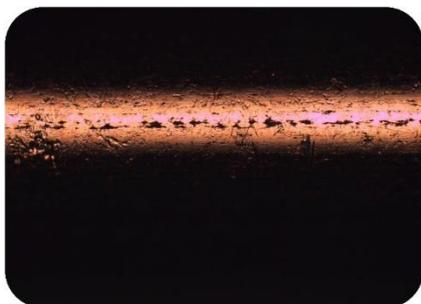
### Technical Data

Property	Unit	Typical value
Appearance		Low viscous, light-toned, opaque
Density (20 °C)	g/cm <sup>3</sup>	1,00
Solids content (1 g in a tray Ø 5 cm, 2 h, 140 °C)	%	40 +/- 1
Flash point	°C	67
Viscosity (20 °C, DIN 53211, 4 mm)	sec	40 +/- 2
pH value		7 – 8

Table 17

An important manufacturer of copper-coated welding wire prefers our product after comparative testing, due to the evaluation as follows:

“The wire drawing lubrication by using NB10H038 oil is good, and have a bright surface, the copper layer is dense, strong anti-corrosion ability.” (excerpt from conclusions, “Test report of wire polishing oil”)



Picture 6: Surface of copper-coated welding wire (Ø 1.18 mm) after the skim pass using NB10H038 and corrosion test



Picture 7: Surface of copper-coated welding wire (Ø 1.18 mm) after the skim pass using a conventional dispersion and corrosion test





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