

SUPRADRAW 211

Copper Wire Drawing Emulsion

DESCRIPTION

SUPRADRAW 211 is an emulsifiable concentrate dedicated to copper wire drawing applications from rod sizes to intermediate wires.

APPLICATIONS

SUPRADRAW 211 is suitable for copper wire drawing applications including tinned copper and enamelling copper.

SUPRADRAW 211 was developed to deliver the maximum of performance with soft waters. Nevertheless, it can be used in water with hardness up to 40°FH.

SUPRADRAW 211 recommended temperature of use is between 35°C and 45°C.

ADVANTAGES

- Optimal lubrication.
- Wear reduction of dies and capstans
- Very good bio-stability
- Low foaming
- Excellent surface finish
- Good filtration
- Stability to copper ions

TECHNICAL INFORMATION

TYPICAL CHARACTERISTICS	UNITS	STANDARDS	SUPRADRAW 211
Colour of the concentrate	-	Visual	Light Brown
Specific Gravity at 20°C	-	ISO 12.185	0.956
Appearance of the emulsion	-	Visual	Milky
pH at 5%	-	NFT 60 193	9.1
Refractometric Index	-	M15	1.07

These characteristics are given only for information and can be updated over-time.

RECOMMENDED DILUTION OF USE

- Rod breakdown machines: 10-15%
- Intermediate copper wires: 6-8% (3-4mm), 4-6% (<2mm)

HEALTH & SAFETY

- Free of organo-chlorinated additives and formaldehyde releasers
- Boron free
- Good dermatological behaviour
- Storage in a frost-free and dry place