

## PRODUCT INFORMATION

# WIRE-BALM PROTEC WLS04.5

## CONTACT LUBRICANT TO COAT WIRE ELECTRODES

### PROPERTIES

- PROTEC WLS04.5 is a **contact lubricant for coating of wire electrodes** as a finish during the production process
- Suitable **for all types of wire, bare and copper-plated, solid or tubular wire**; not compliant with aluminium
- Removes drawing agent residue and cleans the wire (**fine cleaning**)
- Ensures **improved friction coefficient and smoother feeding**
- **Improves current transfer** in the contact tip, **reduces energy loss, avoids micro arcs**
- Forms a **protective layer** against corrosion and oxidation

### ADVANTAGES

- Clean wire with optimum feeding characteristics
- Process safety in processing / welding:
  - Improved layered coiling and barrel finish in the factory
  - stable arc with optimised ignition and reduced spatter output in the welding process

### BENEFITS

- Increased productivity and quality in wire production
- Increased processing productivity (welding)
- Longer service life of wear parts, e.g. liner and contact tip (no micro arcs)

### APPLICATION

Coat wire with PROTEC WLS04.5 after last draw (at the end of the drawing line; preferred over rewinding due to lower speed). We recommend tandem process: apply slightly excessive amount, wipe off thoroughly so that a minimal, fully covering and even film remains.

### SPECIFICATIONS

<b>Effective ingredient type</b>	Ester oil fluid	<b>pH value</b>	n.a.
<b>Density (20°C)</b>	0,9 kg/l	<b>Flash point</b>	> 100°C
<b>Viscosity (20°C)</b>	4.0 mm <sup>2</sup> /s	<b>Shelf life</b>	min. 12 months
<b>Pouring Point</b>	-8°C	<b>Safety datasheet</b>	available at www.protec-austria.com
<b>Sales units</b>	10 litre canister, ID no. W009.010 200 litre barrel, ID no. W009.200		