

## PRODUCT INFORMATION

# WIRE-BALM PROTEC WLS04

## CONTACT LUBRICANT AND CLEANING AGENT FOR WIRE ELECTRODES

### PROPERTIES

- Wire-Balm PROTEC WLS04 is a contact lubricant for wire electrodes used as part of MIG/MAG welding, MIG soldering and laser soldering
- WLS04 ensures a perfectly clean wire with perfect supply characteristics
- For stable arcs with optimum ignition behaviour and reduced spatter output

### ADVANTAGES

- Maximum process stability thanks to continuous levels of current transfer resistance and constant friction values
- Easier to start moving, for this reason, it prevents ignition faults and burn-backs
- Prevents micro arcs in the contact tip
- Reduction in the diffusible hydrogen content within the welding material
- Tested and approved by renowned welding wire manufacturers and users

### BENEFITS

- Increased productivity, significant reduction of downtime
- Maximum process safety, also with high-alloy materials or on challenging liner
- Longer service life of the contact tip and liner

### APPLICATION

The agent is applied using wire PADs and wire CLIPs:

- **Two wire PADs each are positioned one after the other: one drenched in Wire Balm PROTEC WLS04 and then one dry PAD (tandem process)**
- For this purpose, evenly drench one wire PAD with WLS04 by pressing the pad on the can opening and tilting the can — a small quantity is used, the PAD must not drip, even when squeezed firmly.
- Fold both PADs and position on the welding wire using wire CLIPs (upstream of the wire input)
- During on-going operation: check both PADs once per shift and re-position (refold or turn around);
- Reapply agent to the drenched WLS04 PAD once every shift

**IMPORTANT: Start first use with a new liner.**

Not suitable for aluminium.

### SPECIFICATIONS

<b>Effective ingredient type</b>	Ester oil fluid	<b>Flash point</b>	> 100°C
<b>Density (20°C)</b>	0,88 g/ml	<b>pH value</b>	n.a.
<b>Viscosity (40°C)</b>	4,0 mm <sup>2</sup> /s	<b>Pouring point</b>	-6°C
<b>Trading unit</b>	250ml can ID no. W001.003	<b>Safety datasheet</b>	On request (www.protec-austria.com)
<b>Storage</b>	Closed, in a dry place at room temperature	<b>Shelf life</b>	At minimum 12 months