

PRODUCT INFORMATION

WIRE-BALM PROTEC WLS04 SPRAY

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 — 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 (turn further, re-fold or turn around);
- Reapply agent to the drenched WLS04 PAD once every shift (1-2 ml)

IMPORTANT: Start first use with a new liner.

Not suitable for aluminium.

SPECIFICATIONS

Effective ingredient type	Hydrocarbon fluid with tensioactive inhibitors	Flash point	100°C
Density (20°C)	0.88 g/ml	pH value	n.a.
Viscosity (40°C)	4.0 mm ² /s	Pouring point	-8°C
Trading unit	200ml bag-in-can spray, ID no. W001.002	Safety datasheet	no. 05Ds1 (www.protec-austria.com)