

PRODUCT INFORMATION

WELDING WIRE OPTIMIZATION: WIRE-BALM WLS4

Product

- PROTEC Wire-Balm WLS4, 250ml can: W001.003

Accessories for Application

- Wire-Pad: Z008.002
- Wire-Clip: Z009.001



Fluid for welding wire to optimise feeding and arc

PROTEC WIRE-BALM WLS4 is a fluid for fine cleaning and coating of wire electrodes/welding-wire directly at the welding station. Suitable for processes such as GMAW welding/MAG-welding, cladding, MIG brazing, laser welding, etc. For all types of wire, including high-alloy, bare and copper-plated, solid or flux-cored wire (not for aluminum). Solves potential residues and cleans the wire (fine cleaning). Ensures an improved and constant friction coefficient/feeding resistance. Improves the current transfer in the contact tip, reduces energy loss. Micro-arcs are prevented, which increases the service life of the tip. The sum of the effects leads to a more stable arc; this can even lead to a reduction in the diffusible hydrogen in the weld.

WLS4 is mainly used in automated or robotic welding processes, is a proven solution for many years and is used by renowned companies, including the automotive sector.

Your benefits

- Higher productivity thanks to better, more stable wire feeding and and perfect ignition
- Longer service life of liner and tip (no micro arcs!)
- Cleaner process due to reduced spatter ejection, more stable arc

Application

Application of the fluid is done by using two wire-pads with clips, placed serially onto the wire. One of the pads is to be soaked with the WLS4 fluid, the second pad remains dry. The pads are folded, placed on the wire and fixed with the clips. Position before the wire feed, in the drum or after the spool.

How to soak the pad: Soak the wire pad evenly with WLS4 by placing the pad on the can opening, holding it and tilting the can together with the pad. Keep the dosage low: The pad should not drip afterwards, even with firm pressure.

Check both pads once per shift during operation: remove from the wire, add WLS4 fluid to the soaked pad and place both pads on the wire again (refold or turn over).

Notes

First use with a new liner.

Not compliant with aluminium wire.

pH	n.a.	Flashpoint	>100°C
Density (20°C)	0,88 kg/l	Ingredients	Ester oil fluid
Viscosity (DIN53211/4)	4,0 mm ² /s	Shelf life	> 12 months
Pourpoint	-6°C	Storage temperature	+10°C to +25°C