

New



WEICON Alu Grinding Protection

WEICON Alu Grinding Protection can be used for all abrasive materials on foundations such as fibre wheels, sheeting, endless grinding bands, abrasive sleeves, orbital sanders, and special machines.

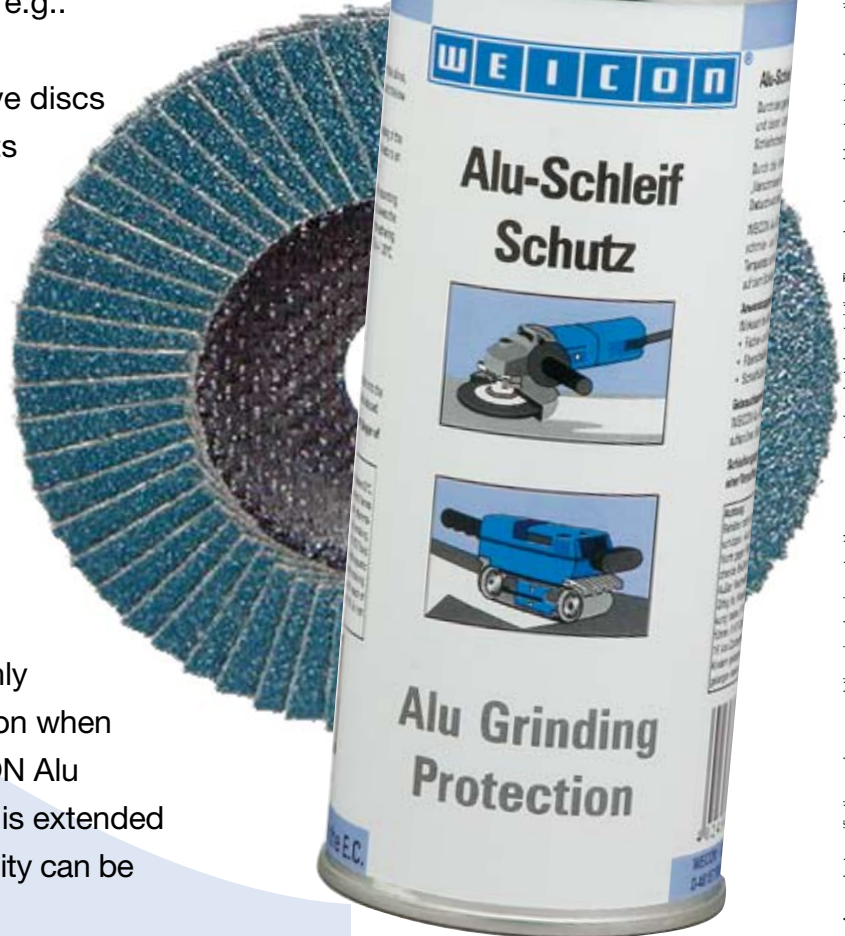
WEICON Alu Grinding Protection works like a cooling lubricant and separating agent during the grinding process. It lowers the temperature at the contact point and forms a silicone-free anti-adhesive layer on the abrasive material.

Application areas:

Suitable for all grinding media, like e.g.:

- fan-shaped or laminated abrasive discs
- fibre discs, sheets, abrasive belts
- abrasive sleeves, vibrating grinders, special machines

Through the use of WEICON Alu Grinding Protection, clogging is prevented and the pores of the grinding material remain open. The service life of a grinding disc amounts to only about 30 minutes in normal operation when processing aluminium. With WEICON Alu Grinding Protection, the service life is extended considerably and the removal capacity can be increased to up to 350%.



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Alu Grinding Protection

Due to the low hardening degree of aluminium and other nonferrous metals and their alloys, the pores of the grinding wheel are clogged during grinding.

Frictional heat arising due to the speed of the right-angle grinder and the shearing forces between the abrasive particles and the material increase this effect.

Due to this clogging, not only is the material removal reduced, but also the service life of the grinding disc is considerable shortened to some extent. In case of abrasive flap disc, often only the top of four layers of abrasive cloths can be used.

The working time per work piece can thus be considerably reduced, which leads to a reduction in unit wage costs (up to 70%). In addition, long, expensive equipping times of the tools no longer occur. Vulcanised fibre wheels, for example, can be used together with WEICON Alu Grinding Protection without clogging until they are completely worn out.

Instructions for use:

Spray a thick layer of WEICON Alu Grinding Protection onto the (new) grinding disc. In case of a reduction in grinding performance (see the table below), repeat the procedure. Do start the grinding procedure only after evaporation of the propellant (danger of explosion).

Additional information and technical data:

Abrasive flap discs consist of a support wheel made of different materials reinforced by fibre glass. Lined-up grinding blades have been attached to the support wheel. These blades are covered with various abrasive particles, such as aluminium or zirconium corundum. Abrasive flap discs are also used on all commercial right-angle grinders with an electric motor or pneumatic drive.

Since WEICON Alu Grinding Protection prevents the „clog-ging“ of blades, the functionality of the abrasive material is maintained. Due to the even wear of the grinding particles, the degree of utilisation of the grinding disc is improved and the material removal is increased (for details, see the table).

	Untreated	With WEICON Alu Grinding Protection
Wear of the disc after 5 minutes	1 g	3 g
Wear of the disc after 10 minutes	2 g	4 g
Material removal after 5 minutes	54 g	60 g
Material removal after 10 minutes	108 g	128 g

The values in the table were determined with a Flex right-angle grinder, 1,400 W. Contact pressure approx. 4.0 kg, 10,000 rpm. A Rhodius LSZF Vision abrasive flap disc, diameter of 125, grain of 60, was used for 2 x 5 minutes. Material: Aluminium block (AlSi9Cu3), 5x5cm.

Delivered form: 400 ml spray tin

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