

# NIGRIT GEL

## "Al Liquid Black 4.20"

Cat.-No. 0948

- Black pickling and cold burnishing agent
  - Viscous medium (gel) on acid basis
  - Especially for freshly sanded aluminium
- (also for individual freshly sanded areas on aluminium surfaces)

### Area of application

The ready-to-use gel has been developed for precise direct dosing. With this gel, the workpiece to be treated can be wetted with pinpoint accuracy. The gel does not run, but acts exactly where it is applied. Components can be blackened on a workpiece that would otherwise have to be removed for burnishing.

### Degreasing and inserting the parts

Thorough degreasing of the parts is a prerequisite for uniform blackening.

### Blackening effect

Depending on the material, blackening occurs relatively quickly (approx. 5 - 30 sec. after application). Longer exposure times are possible, but should be determined by preliminary tests so that the workpiece to be treated is not damaged. Afterwards the spots or parts are cleaned with sufficient water and rubbed well dry with a clean cloth (rag).

If NIGRIT GEL "Al Liquid Black 4.20" remains too long on the workpiece, loose oxides will accumulate on the surface, which have to be removed after the process (expediently with a root brush or similar).

If the darkening/blackening is not sufficiently dark, the burnishing process can be repeated after the material has been cleaned. In practice, it has been found that more than five burnishing passes hardly show any significant improvement. If an irregular colouration is noticeable after burnishing, this may be an indication of insufficient degreasing.

### NEUTRASOL post-treatment:

After removal of the loose oxides, which should be done expediently in a neutralisation bath with the product NEUTRASOL Concentrate (EO Cat. No. 0875), the workpiece should be dried and preserved.

### Neutralization bath:

Normal tap water with our NEUTRASOL can be used to prepare the bath. The pH value must be checked constantly and should not fall below pH-10, otherwise the workpieces may start to corrode.

### Preservation:

EO post-treatment fluid (EO Cat. No.: 0871) is a temporarily effective, preserving metal protection for application after use of NIGRIT GEL "Al Liquid Black 4.20". Corrosion phenomena are always undesirable, therefore the metal surface should be treated briefly with this fluid after each application (recommendation: "thin application"). The water-displacing additives reliably prevent contact between the metal surface and remaining moisture.

### Other indications

NIGRIT GEL "Al Liquid Black 4.20" only works on brightly treated (freshly sanded) areas.

Never fill used burnishing gel back into the original container, otherwise the burnishing agent will decompose and become unusable. When working on a large scale, extraction is necessary. Dangerous vapours and gases (including the extremely flammable hydrogen H<sub>2</sub>) may be produced by the action of burnishing agent (acidic pickle with free acid) on metal surfaces.

Detailed information on the safe handling, storage, transport and environment of our products can be found in the corresponding safety data sheet.



### Packaging units

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Canister / g    | <input checked="" type="checkbox"/> Tins / 100, 250, 500, 1.000 g | <input type="checkbox"/> Spray bottle / ml |
| <input type="checkbox"/> Granulate /Size | <input type="checkbox"/> Metering pen / ml                        | <input type="checkbox"/> Injection / ml    |

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