

# Nigrit „VA“ Extra

Kat.-Nr. 0832

Etching ink, black pickling & burnishing agent

- Liquid medium on acid basis
- For special steel alloys and high-alloy stainless steels

## NEUTRASOL post-treatment

After removing the loose oxides, which should be expediently carried out in a neutralization bath with the product NEUTRASOL – Concentrate, Cat. No. 875, the workpiece should be dried and preserved.

## Neutralization bath

Regular tap water together 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 will start to rust. Indicator paper is used for checking.

## Preservation

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

## Other indications

No workpieces should be left in the burnishing bath or remain in it too long, otherwise the burnishing agent will decompose and become unusable. When processing on a large scale, an exhaust system is required in any case, as combustible hydrogen gas can be formed by the decomposition of metal.



## Technical data

Application	The solution supplied ready for use is to be filled into a resistant container made of GRP, HDPE or PP.
Degreasing and inserting the parts	The parts to be blackened must be degreased before cold burnishing. In the simplest case, this can be done by washing with alcohol.
Blackening effect	Thorough degreasing of the parts is a prerequisite for uniform blackening. Depending on the material (only a few seconds for ST 37), blackening occurs quickly. If the workpiece remains too long in the blackening solution, loose oxides will accumulate on the surface, which must be removed after the process (expediently with a scrubbing brush, or similar). If the blackening has not become sufficient, the burnishing process can be repeated after the material has been cleaned. It has turned out that more than two burnishing passes hardly show any significant improvement. If an irregular coloration can be seen after burnishing, this is an indication of insufficient degreasing.

## Application area

**COLD BURNISHING  
- BLACKENING** for  
high-alloy stainless  
steels and special  
steel alloys

EMIL OTTO Flux- und Oberflächentechnik GmbH

D-65346 Eltville – Eltviller Landstr. 22

Tel.: +49 (0)6123 / 70 46 0 – Fax: +49 (0)6123 / 70 46 15



## Packaging units

Canister / 1000 g

Metering bottle / 100, 250, 500 g

Spray bottle / ml

Granulate / Size

Mine / 1 ml

Injection / ml

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