

# NIGRIT „M-Extra“

Cat.-No. 0980

- Etching ink, black pickling and cold burnishing agent
- Liquid medium on acid basis
- Especially for copper, tin, zinc, special copper alloys and for special alloys of copper and steel

## Area of application

The solution supplied ready for use should be poured 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 necessary prerequisite for uniform blackening. - Depending on the material, blackening occurs relatively quickly (approx. 1 - 5 sec. after application). If NIGRIT „M-Extra“ remains too long on the component, loose oxides will accumulate on the surface, which have to be removed after the process (expediently with a root brush, or similar). If the blackening has not become sufficient, the burnishing process can be repeated after the material has been cleaned. - Here it has been found that more than two burnishing passes hardly show any significant improvement. If an irregular coloration is noticeable after burnishing, this is an indication of insufficient degreasing.

## NEUTRASOL post-treatment:

After removing loose oxides, which should be done in a neutralization bath with NEUTRASOL concentrate (EO Cat. No. 875), 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 will start to rust. - Indicator paper is used for checking.

## Preservation:

EO Aftertreatment Fluid, Cat. No.: 0871, is a temporarily effective, preservative metal protection for application after use of NIGRIT „M-Extra“. Corrosion phenomena are always undesirable, therefore the metal surface should be treated briefly with this fluid (thin application) after each use. Due to the water displacing additives, the contact between metal surface and remaining moisture is reliably prevented.

## Other indications

No components should be left in the burnishing bath or remain in it for 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 flammable hydrogen gas can be formed by the decomposition of metal.

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"/> Metering bottle / 100, 250, 500, 1.000 g | <input type="checkbox"/> Spray bottle / ml |
| <input type="checkbox"/> Granulate /Size | <input checked="" type="checkbox"/> Metering pen / 1 ml                      | <input type="checkbox"/> Injection / ml    |

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