

Instruction Manual - pronice ultra black

Easy to use Blackening for Silver Surfaces "ready to use"

Pronice Ultra Black is pickle chemical which produces a black colouring on silver and silver alloys.

Working conditions – process steps in general

1. Apply pronice silver black
→ you get a anthracitic grey black colour
2. Apply pronice ultra black on the colored areas
→ this will change from anthracitic to intensively dark black

Process steps in detail

1. pronice silver black:

Dip into pronice silver black or apply pronice silver black with a paintbrush. After the colouring procedure rinse the goods thoroughly under current water and dry them subsequently

Typical time of treatment: min. 3min to max. 15min

2. pronice ultra black:

Dip/paintbrush into pronice ultra black. The color will change to dark black. Then rinse the goods intensively under current water and dry them subsequently

Typical time of treatment: min. 1min to max 10min

Protection with pronice aqua on oxidised parts

After blackening the pieces can be protected by pronice aqua or pronice aqua 40 on $T \approx 60^{\circ}\text{C}$. The protection lines between pure silver and oxidised silver parts should be separated.

Product Safety and Ecology

The safety instructions and the instructions for environmental protection have to be followed in order to avoid hazards for human and environment. The Material Safety Data Sheets (according to European legislation) contain detailed information. The following hazard designations and classifications into water hazard classes (WHC) have to be taken into account:

pronice ultra black



R22: Harmful if swallowed

R41: Risk of serious damage to eyes

Water hazard class WHC 3

Personal Protection:

S24/25/26: Avoid contact with skin and eyes

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

Wastewater handling:

Before the watery solution is drained into the canalisation, waste water treatment is necessary. Pay attention to the prescriptions of the local water administration. The solution is slightly corrosive and contains no cyanides or other salts of prussic acid.

S61: Avoid release to the environment

Storage:

The containers must be protected against light and must be closed air-tightly, as otherwise the black pickle decomposes.

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