



TIFOO

BLACK MAGIC Quick Browning

INSTRUCTIONS

Application fields

The Black Magic Quick Browning is a brush browning solution and can be used for the browning / blackening of iron and steel containing less than 3% chromium. It can be applied to larger surface areas and to the renovation of damaged spots. Application fields are the browning of arms, weapons and tools made from steel.

Bluing

Bluing interestingly means the blackening of metal (iron or steel). The real "hot bluing method" is done by dipping the metal into a boiling solution of sodium hydroxide and sodium nitrate and then putting it into cold oil for sealing. This is how you create a black passivation that protects from rust and oxidation.

The "cold bluing method" that you can carry out with this product is based on selenium. Selenium reacts with these metals in a comparable way and creates a selenium-metal compound on the surface that creates a black coating like with the "hot bluing method".

Please keep in mind that these selenium compounds are more toxic than oxygen-oxide layers. This is why objects that have been treated with cold bluing should be at least treated with varnish or oil (e.g. 02-44-00250 bluing oil on www.tifoo-plating.com) after bluing.

Instructions for use

It is important that the Tifoo Quick Browning is evenly painted on the clean and degreased steel surface (max. 3% chromium content). Hence, before application, degrease with Tifoo Galvano-Degreaser after removing all obvious impurities. Now, the Quick browning solution can be applied with a brush, a sponge or a piece of cloth. Please grind all metals that are treated with silicone oil, otherwise the browning will not work. Wait 1 to 5 min until the coating is dried. Rinse with water, carefully dry the surface with a piece of cloth and spray with Tifoo Browning-Oil (02-44). This is how you obtain a gleaming black layer. Ideally, let the treated spot dry for about 12 hours.

Important data:

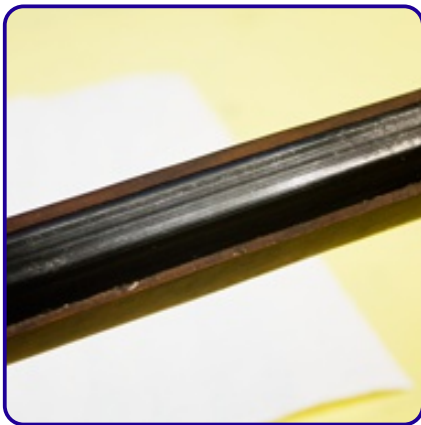
Work temperature:
20-30 °C

Residence time:
1-5 min



Black Magic Browning Tifoo

The following pictures show a typical example: Using Tifoo Black Magic is a perfect way for restoring a worn gun barrel easily and quickly.



A gun barrel with a worn Browning.



The gun barrel after the treatment with the Tifoo Black Magic Browning.

Security notes

Causes severe skin burns and eye damage. Harmful if swallowed. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Collect spillage.

Dispose of contents/container to recycling.

Waste disposal

Please get informed at your local waste collection centre or waste disposal company. Show the the label of this item at the waste disposal point.

Hints

The Black Magic quick browning is only suited for smaller surfaces. The treatment of bigger surfaces can cause an uneven coloration. When treating bigger surfaces, please use our Walhalla Quick Browning or our Browning kit Black Devil instead.

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