

Antox® 90 E
Deadening Agent for Stainless Steels
A Product of the Chemetall Group

Field of Application

For accelerating the chrome oxide on stainless steel after pickling.
Increasing the level of passivation after pickling
Minimizing or eliminating any chance of brown stains appearing on the surface after pickling, that may occur because of any oxides remaining on surface.

Working Tools

- Antox pickling brushes of acid-resistant materials for repeated use.
- The Antox pump M1 is a compressed air-operated double membrane pump made from PP and PVDF with elastic membranes made from PTFE (Teflon).
- The Antox pickling hand spray is made from resistant plastic and irrespective of a compressed air connection.

Can constituents

Polyethylene, polyvinylchloride (PVC), polypropylene, polytetrafluorethylene (Teflon).

Use and application

Before commencing work, safety precautions must be observed and protective equipment made use of.

Antox 90 E is applied in a volume ratio of 1:1 to 1:3 with fully desalinated water. The water is put in first, and then the same quantity of Antox 90 E is added. When they have been rinsed, the pickled stainless steel parts are brushed, sprayed or dipped with the thinned Antox 90 E.

The reaction time should be observed.

The surfaces must then be rinsed thoroughly with cold, fully desalinated water. Rinse until the water running off is neutral (check with indicator paper).

Reaction Time Periods

Rust and acid-resistant steels, stainless steels	20 - 30 minutes
--	-----------------

The reaction time period is dependent on the quality of the working materials treated as well as on the temperature of the ambient air and materials. The optimal application temperature of Antox 90 E is around 18° – 22° C. Work routines should be avoided in direct sunlight (due to hazard of premature drying).



Yield

1 kg of Antox 90 E is sufficient for approx. 20 m² of surface area.

General Remarks

Antox 90 E contains no hydrochloric acid and no chlorides.

Notes on hazards and suggestions for safety precautions

Antox 90 E contains nitric (azotic) acid.

Very toxic when breathed in and swallowed. Contact with the skin causes acid burns.

Process and store in a well-ventilated place (the cans should be tightly closed). Breathing apparatus should be used when ventilation facilities are insufficient. Appropriate protective goggles, gloves and clothing should be worn whilst working.

Contact with the eyes should be treated by thorough rinsing with water and thereafter a doctor should be consulted. Contaminated and soaked protective clothing should be immediately changed. A doctor should be consulted if nausea is experienced (the doctor should be shown the notes on safety precautions, the product notes or the product label).

Please also observe the detailed information given in the German DIN Standard "SIDA" safety data sheet.

These products should not be accessible to children. For commercial and industrial use only.

Disposal

Neither *Antox 90 E* nor the rinsing water may be disposed of in the public sewers in an untreated state. The waste water is acidic and contains alloy residue solids from the treated metal. Appropriate treatment should be carried out in a suitable neutralisation plant or disposal undertaken via a licensed waste disposal enterprise. The local waste water regulations are to be observed.

This edition replaces all previous editions, which then lose their validity. The information and details are given to the best of our knowledge and belief, and conform, at the time of going to print, to the forementioned experience in laboratory situations and in practice. These are however only to be understood as non-binding guidelines, which will have to be adjusted individually to meet the requirements of every situation in practice. As the application and use of our products are outside our control and influence, we can only accept liability for the irreproachable, standard quality of the products at the moment in time of delivery. Any consequential loss or damage will only be addressed when the possibility of such has been previously agreed in writing before application and use, by making reference to the advertised and warranted characteristics and effects.

