

Antox[®] 73 E SG

Pickling Spray for Stainless Steels

A Product of the Chemetall Group

Field of Application

Pickles weld seams and surfaces in one operation. Colourised in green. Results in bright and uniform stainless steel surfaces.

Working Tools

Antox 73 E SG can be applied with either the Antox pump P1 or the pickling hand spray.

The Antox pump P1 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.

Application and Procedure

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

Antox 73 E SG is to be stirred with a plastic or wood stirrer before use, or shaken briefly.

Antox 73 E SG is green colourised, which allows sprayed surfaces to be made clearly visible.

Apply Antox 73 E SG unthinned onto the surfaces and weld seams to be pickled with Antox pump or pickling hand spray.

Antox 73 E SG is viscous and adheres to even vertical and overhanging surfaces. The reaction time should be observed. The surface of the stainless steel should be free of oils and grease before pickling. In the event of heavy contamination, clean with Antox 75 E before pickling (see Notes on Antox 75 E).

Upon completion, the processed surface is to be rinsed under cold water, using a high pressure water jet appliance (at a pressure of at least 120 bar). The rinsing effect can be improved and enhanced by employing plastic or stainless steel wire brushes. Rinse until the water running off is neutral (check with indicator paper).

The pickled surfaces appear bright and uniform, because of the special formulation of Antox 73 E SG.

After rinsing, the surfaces must be passivated with the Antox 90 E (see Notes on Antox 90 E).

Reaction Time Periods

Rust and acid-resistant steels, stainless steels 15 - 60 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 pickling temperature is around 18 - 22 °C. Work routines should be avoided in direct sunlight (due to hazard of premature drying).

Yield

1 kg of Antox 73 E SG is sufficient for 4 - 6 m² of surface area.

General Remarks

Antox 73 E SG contains no hydrochloric acid and no chloride.

Notes on hazards and suggestions for safety precautions

Antox 73 E SG contains hydrofluoric acid and nitric (azotic) acid.

Very toxic when breathed in and swallowed. Contact with the skin causes severe 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 of Waste

Neither *Antox 73 E SG* 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.