

Passivating agent

eska®phor Z 1401



Product characteristics and performance features

- alkaline passivating agent
- multi-metal capable
- no-rinse passivation
- Conversion layer forming
- Chrome and phosphate-free
- containing silane
- Submersible and sprayable



Application range

eska®phor Z 1401 is used for passivation of steel, cast iron, zinc and aluminum by dipping and spraying. It improves the paint adhesion and corrosion resistance of the subsequent coating. The product is generally used after prior cleaning or phosphating. The parts to be treated must be rinsed thoroughly before treatment with the product to keep the bath clean. After treatment with the product, the parts should not be rinsed with water. To avoid dripping edges and to remove residual liquid from recesses, the parts can be blown off with clean compressed air. The parts are then dried in the oven.

eska® phor Z 1401



Advantages and benefits

- Advantage: Low application concentration and temperature
Benefit: particularly economical due to product and energy savings
- Advantage: multi-metal capable and multifunctional use
Benefit: Economical, as process-adapted product dosing is possible



Technical data

- Density (20°C): approx. 1.00 g/cm³
 pH value (1% solution): approx. 10.5



Preparation and operating data

- Concentration: 0.5 - 2.0 vol.%
 Bath temperature: 20 - 40 °C
 Treatment time: 15 - 60 s
 Spray pressure: 0.7 - 1.0 bar
 Conductivity: max. 900 µS/cm

The preparation should preferably be carried out in demineralized water

- Bath monitoring: 100 ml bath solution
 Phenolphthalein indicator solution (red-colorless; pH 8.5)
 0.1 N hydrochloric acid solution
 Factor deionized water 0.34

Concentration (vol. %) = Consumption of measured solution (ml) x Factor
 (see also titration instructions eska® phor products for bath monitoring)



Supplementary documents

Slight variations in color and appearance between individual product batches have no influence on the quality and functionality of the product. The information is based on technical knowledge and experience.

For information on the safe handling of our product, please refer to the corresponding safety data sheet.

The above information corresponds to the current state of science and technology for the relevant products. Our advice does not release you from the necessity to check our products for suitability for use in your company and for the special requirements there.
Important note: Our products are intended exclusively for industrial use.

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