

Thin-film passivation

eska®phor Z 1200



Product characteristics and performance features

- Chromium-free passivating agent
- Greatly reduced sludge formation
- Improves the paint adhesion strength
- Increases corrosion protection
- Submersible and sprayable
- multi-metal capable



Application range

eska®phor Z 1200 is used in dipping and spraying processes for the pre-treatment of iron, aluminium and zinc prior to subsequent coating.

In general, the product is used after a previous alkaline cleaning with subsequent rinsing. After passivation, the component surface should be rinsed again with deionised water. The exact process conditions are determined depending on the system and material.

eska[®]phor Z 1200



Advantages and benefits

- Advantage:** Modern conversion layer-forming passivation system
Benefits: **Improves adhesion values and corrosion protection during painting**
- Advantage:** Low application concentration and temperature
Benefit: **Particularly economical due to product and energy savings**
- Advantage:** Multi-metal compatible and multifunctional use
Benefits: **Economical, as process-adapted product dosing is possible**



Technical data

Density (20°C):	approx. 1.01 g/cm ³
pH value (1% solution):	approx. 3.0



Preparation and operating data

Concentration:	0.5 - 2.0 % by volume
Bath temperature:	20 - 40 °C
Treatment time:	30 - 180 s
Injection pressure:	1 - 2 bar
pH value:	4.5 - 6.0
Bath monitoring:	100 ml bath solution
	Phenolphthalein indicator solution (colourless-pink; pH 8.5)
	0.1 N sodium hydroxide solution Standard solution
	Factor deionised water 0.34

Concentration (vol. %) = consumption of measured solution (ml) x factor
 (see also titration instructions eska[®] phor products for bath monitoring)

If necessary, the concentration in the bath can also be determined using a photometric rapid test.

The preparation must be carried out in fully demineralised water (demineralised water).

The pH value is below the target range for the new preparation. In order to achieve the above-mentioned optimum working range, the pH toner eska[®] phor P 402 S must be added to the bath solution in stages. The pH value must be monitored regularly using suitable equipment, e.g. an electric pH meter.



Supplementary documents

Slight variations in colour 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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