

Product description:

2-component epoxy-based priming coat, solvent-based.

Active pigment: zinc phosphate.

Applications:

Priming coat for steel constructions of any kind, e.g. in the chemical industry, for hydraulic steelwork, in petrochemistry, mining, shipbuilding. Hardly saponifiable, high resistance to chemicals, in particular in the alkaline range, good resistance to thaw and de-icing salt, high abrasion resistance, etc.

This product is weldable at a max. DFT of 20-25 µm. Suited as indoor priming coat on steel for fire resistance class F30.

Hardener:

VESTOPOX hardener ZH51-000000 (basis: polyaminoamide)

Article numbers, colour:

ZG80-0039, red brown. Other colour shades on request.

Technical specifications (relating to the mixture):

Flash point:	above +23 °C
Viscosity:	intrinsically viscous
Density:	approx. 1.47 g/ml
Mixture ratio:	10:1 with ZH51-
Pot life:	approx. 5-6 hours (room temperature)
Dry film thickness (DFT):	80 µm
Solid density:	approx. 57 %
Tinctural power (theoretical):	approx. 4.8 m ² /kg at 80 µm DFT
VOC value:	approx. 378 g/l
Organic solvent content:	approx. 26 % by weight
Temperature stability:	max. +160 °C, dry heat (permanent exposure)

The Technical Data indicated are subject to variations depending on colour shade and production process.

Drying times:

Dust-dry:	after approx. 1 hour
Fast to handling:	after approx. 4 hours
Ready for rework:	after approx. 12 hours

The values indicated apply to the dry film thickness at (standard atmosphere) +20 °C and 55 % relative humidity.

Working temperature/humidity of air:

+5 °C to +35 °C

The substrate temperature must be at least 3 °C above the dew point of the ambient air.

The relative humidity of air should not exceed 85 %.

Thinner:

VESTOCOR epoxy thinner VK14-, also for tool cleaning.

Subsequent coats:

Depending on requirements VESTOCOR products based on:

VESTOPOX, VESTOPUR

Substrate preparation:

Steel: abrasive blasting to preparation grade Sa 2.5 as per DIN EN ISO 12944-4. Average roughness depth Rz as per DIN 8504-2.

Applying:

Brush/roller: when using a brush the coating has to be applied uniformly and deeply and spread. Generally, the coat is applied without thinning.

Airless spray painting: generally from delivery state, if required add 5 weight per cent VESTOCOR thinner as a maximum.

Minimum pressure: approx. 120 bar

Nozzle: approx. 0.33-0.48 mm

Repair of transport and installation damages:

Recommended surface preparation: blast any flaws to Sa 2.5 as per DIN EN ISO 12944-4. Repair with VESTOPOX 2K-EP-Grund ZG80-. In the case of manual preparation to St 2 as per DIN EN ISO 12944, VESTOPOX OT primer ZG76 can also be used.

Storage and identification according to hazardous substance/workplace safety regulations:

For the identification according to valid hazardous substance regulations see the associated Material Safety Data Sheets and labels.

Storage life:

Main component: approx. 12 months, hardener: approx. 6 months in case of proper storage of non-opened drums at +5 °C to +25 °C.

Safety and protection precautions:

When processing note the safety and health at work rules from the trade association, BGR 500, chapter 2.29, as well as the relevant EC Material and Safety Data Sheets. In liquid state, the products are classified to be hazardous to waters, and therefore they must not come into waters. For further details see the trade association's instruction sheet MO23 "Polyesters and epoxy resins".

Information and recommendations in this document are based on today's state of our knowledge and are intended to inform purchasers. They do not exempt purchasers to check the products for their suitability and application. We guarantee a perfect quality within the scope of our general terms and conditions of business. All previous Technical Data Sheets cease to be valid.