

Product description:

2-component polyurethane-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.

Hardener:

VESTOPUR hardener ZH82-000000 (basis: aliphatic polyisocyanate)

Article numbers, colour:

ZG20-0039, red brown

Other colour shades on request.

Technical specifications (relating to the mixture):

Flash point:	above +23 °C
Viscosity:	intrinsically viscous
Density:	approx. 1.45 g/ml
Mixture ratio:	10 : 1 with ZH82-
Pot life:	approx. 2 hours (room temperature)
Dry film thickness (DFT):	80 µm
Solid density:	approx. 65 %
Tinctural power (theoretical):	approx. 6.1 m ² /kg at 80 µm DFT
VOC value:	approx. 326 g/l
Organic solvent content:	approx. 21 % by weight
Temperature stability:	max. +130 °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. 30 minutes
Fast to handling:	after approx. 1 hour
Ready for rework:	after approx. 2 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 universal thinner VN62-, 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. An optimal bond of zinc powder-containing coatings can generally only be achieved after abrasive blasting with sharp-edged blasting material.

Applying:

Brush/roller: when using a brush the coating has to be applied uniformly and deeply and spread. Due to fast drying make sure to work quickly. Generally, the coat is to be 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: abrasive blast flaws to preparation grade Sa 2,5 as per DIN EN ISO 12944-4. Repair with VESTOPUR 2K-DT-Primer. If - for technical or environmental reasons - only a power rust removing to PSt3 acc. to DIN EN ISO 12944-4 is possible, repair can also be done with FG20- VESTOPUR 1K-PUR primer.

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.