

### Product description:

2-component epoxy-based priming coat, solvent-based. Micaceous iron ore pigmented. This product is fast-drying. In case of outdoor exposure colour shade changes typical for 2-component epoxy coats may occur. Increased requirements for gloss and colour fastness can be met by an additional coating with 2K-PUR top coat.

### Applications:

Intermediate coating for steel constructions of any kind, also for galvanized substrates if appropriately pretreated, e.g. in chemical industry, in smelting works, wastewater treatment plants, coking plants, bridge building, etc. Can also be used as intermediate coating according to the ATEX standard.

### Hardener:

VESTOPOX hardener ZH51-000000 (base: polyaminoamide)

### Article numbers, colour:

ZD60-7702, DB 702 grey TL/TP-KOR.

Other colour shades on request, but limited by the micaceous iron ore contents.

### Technical specifications (relating to the mixture):

Flash point:	above +23 °C
Viscosity:	intrinsically viscous
Density:	approx. 1.60 g/ml
Mixture ratio:	8:1 with ZH51-
Pot life:	approx. 3 hours (room temperature)
Dry film thickness (DFT):	80 µm
Solid density:	approx. 54 %
Tinctural power (theoretical):	approx. 4.2 m <sup>2</sup> /kg at 80 µm DFT
VOC value:	approx. 412 g/l
Organic solvent content:	approx. 25 % 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. 60 minutes
Fast to handling:	after approx. 3 hours
Ready for rework:	after approx. 8 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: VESTOLUX, VESTOPOX, VESTOPUR

### Substrate preparation:

**Steel:** abrasive blasting to preparation grade Sa 2.5 as per DIN EN ISO 12944-4. The product is limited suited. For this case we recommend VESTOPOX priming coats based on zinc powder or zinc phosphate.

**Zinc-coated surfaces:** sweeping is recommended. In any case remove any contaminants affecting the adhesive strength such as oils, greases, dirt particles and corrosion products from zinc by appropriate cleaning action. For methods of surface preparation see the DIN EN ISO 12944-4.

### 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 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. 0.41-0.58 mm

### Repair of transport and installation damages:

The substrate surface must be dry and free from dirt and dust. Spots with damaged zinc coat e.g. due to welding have to be reblasted or at least mechanically pretreated to P<sub>Ma</sub> as per DIN EN ISO 12944-4. Then, they can be repaired with can be repaired with VESTOZINK 2K-EP zinc powder RAPID MG46- or VESTOPOX 2K-EP primer ZG80- or VESTOPOX 2K-EP 1st top coat RAPID ZG75- and the specified top coats.

### 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.