

Product description:

2-component first finishing coat on polyurethane basis, solvent-based.

Applications:

In corrosion protection systems for high stress structural steelwork such as steelwork, hydraulic steelwork and industrial constructions, with high stresses due to water, salt and thawing salt. Containers in the man-made fibre, textile, pulp and leather industry, lime and cement factories, galvanizing plants, sewage and wastewater treatment plants, refineries, metallurgical engineering, coking plants and similar facilities.

High abrasion resistance, high hardness and impact strength. Excellent resistance against chemical and mechanical stresses. Good resistance to salts, oils, fuels and thinned acids. Fulfils the requirements of the Bayer works standard 2207.

Hardener:

VESTOPUR hardener ZH82-000000 (basis: aliphatic polyisocyanate)

Article numbers, colour:

ZD29-0312, pink reddish
Other colour shades on request.

Technical specifications (relating to the mixture):

Flash point:	above +23 °C
Viscosity:	intrinsically viscous
Density:	approx. 1.5 g/ml
Mixture ratio:	10:1 with ZH82-
Pot life:	approx. 3 hours (room temperature)
Dry film thickness (DFT):	40-80 µm
Solid density:	approx. 53 %
Tinctural power (theoretical):	approx. 7.0 m ² /kg at 50 µm DFT
VOC value:	approx. 411 g/l
Organic solvent content:	approx. 27 % by weight
Temperature stability:	max. +200 °C, dry heat

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. 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 thinner VN62-, also for tool cleaning.

Top coats:

Depending on requirements VESTOCOR products based on: VESTOPUR

Substrate preparation:

Primers suited for the system or previous coats must be dry and free from foreign matters. Clean, unrust defective spots and repair if required. See 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 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:

Steel: Recommended surface preparation: blast the flaws to PSA 2.5 of the DIN EN ISO 12944-4. Repair with primer FG20- VESTOPUR 1K-PUR-Grund 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 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.