

Product description:

2-component priming coat based on an epoxy/polyamide combination, low-solvent and therefore not harmful to the environment. Complies with the VOC guidelines. In case of outdoor exposure colour shade changes typical for 2-component epoxy coats may occur. Abrasion resistant, high hardness and impact strength, excellent resistance to chemical and mechanical stresses, in particular to alkaline influences. Very good resistance to oils, fuels, salts and thinned acids. With this product, a film thickness up to 200 µm can be applied as a maximum. This results in a huge cost saving. Can be very good applied by airless spray-painting.

Applications:

Priming coats for structural steelwork and hydraulic steelwork with high stresses due to water, salt and de-icing salt, tank farms.

Hardener:

VESTOPOX hardener ZH59-000000 (standard)
(basis: modified cyclo-aliphatic amine product)

Article numbers, colour:

ZG96-1102A1, yellowish / EG
ZG96-7702A1, DB 702 grey / EU
Other colour shade on request

Technical specifications (relating to the mixture):

Flash point:	above +23 °C
Viscosity:	intrinsically viscous
Density:	approx. 1.709 g/ml
Mixture ratio:	100:30 with ZH59-
Pot life:	approx. 2 hours (room temperature)
Dry film thickness (DFT):	approx. 80 µm
Solid density:	approx. 77 %
Tinctural power (theoretical):	
Steel:	approx. 6.1 m ² /kg at 80 µm DFT
VOC value:	approx. 203 g/l
Organic solvent content:	approx. 12 % by weight
Temperature stability:	max. +160 °C dry heat, colour shade changes may occur at tem- peratures higher than +160 °C

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. 3 hours
Recoatable:	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: for a complete build-up, abrasive blasting to preparation grade Sa 2.5 as per DIN EN ISO 12944-4 with sharp-edged blasting material if possible. With existing suitable priming coats the surface must be dry, free of oil and grease as well as free of interfering deposits such as salt or the like. In case of doubts remove deposits by steam jet cleaning. For old coats, compatibility tests must be carried out in any case.

Applying:

Airless spray painting: generally from delivery state, if required add 5 weight per cent VESTOCOR thinner as a maximum.
Minimum pressure: approx. 160 bar
Nozzle: approx. 0.41-0.60 mm

Repair of transport and installation damages:

Steel: Recommended surface preparation: blast the flaws to PSa 2.5 or at least to PMa as per DIN EN ISO 12944-4. Repair with the specified priming coats ZG76- and finishing 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. 6 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.