VESTOPOX

2K-EP-1. DECK RAPID ZG75-A5

VESTOCOR PROTECTIVE COATINGS

Product description:

2-component epoxy-based coating, Micaceous iron ore-pigmented and solvent-based. Excellent adhesive strength on zinc-coated substrates, hardly saponifiable, highly resisting to chemicals, good resistance to thaw and de-icing salt, high abrasion resistance. Complies with "TL/TP-KOR Stahlbauten Sheet 87".

Applications:

First top coat for steel and zinc-coated substrates of any kind such as spray, batch and strip galvanized objects. Preferred applications include: Electricity pylons, acoustic barriers, substations, garage gates and the like. Piping coating as per AGI 151.

Hardener:

VESTOPOX hardener ZH49-000001 (basis: polyamine adduct)

Article numbers, colour:

ZG75-7702A5 grey DB 702
Other colour shades on request, but limited by the micaceous iron ore content.
On request.

Technical specifications (relating to the mixture):

Flash point:	above +24 °C
Density (2-component material mixed):	approx. 1.73 g/ml
Mixing ratio (weight):	100 : 11 with ZH49-01
Pot life:	approx. 6 hours (room temperature)
Dry film thickness (DFT):	80 - 100 µm
Non-volatile matter volume:	approx. 58 %
Tincturial power (theoretical)	approx. 5.5 m^2/kg at 60 µm DFT approx. 4.13 m^2/kg at 80 µm DFT
VOC value:	approx. 375 g/l
Temperature stability:	max. +160 °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
Recoatable:	after approx. 3-4 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. This product is suitable to only a limited extent. We recommend VESTOPOX priming coats based on zinc powder or zinc phosphate.

Zinc-coated steel: adherence-reducing soiling of any kind such as oils, greases, dirt particles and products of zinc corrosion should be removed by suitable cleaning processes.
For methods of surface preparation see the standard DIN EN ISO 12944-4.

Applying:

Brush/roller: processing in delivery state.

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 PMa as per DIN EN ISO 12944-4. Then, they can be repaired with VESTOPOX primer ZG64-, VESTOPOX coating EG ZG75- and the specified 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. 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.

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