VESTOPOX

2K-KW-DECK ZT07-

VESTOCOR® PROTECTIVE COATINGS

Product description:

2-component finishing coating system based on epoxy/petro resin with a high solid content, solvent-based. Hardened coatings are partly resistant to inorganic acids, alkalis, salt solutions, aliphatic hydrocarbons (gasoline), fuel oil, oils and greases. They are tough, hard and abrasion resistant.

Applications:

Coating system for steel constructions of any kind and concrete. Special applications include: internal and external coatings for hydraulic steelwork, wastewater treatment plants, port and lockage facilities, for ship building, for pipe coating (also underground), steel piles, pickling plants, cooling towers, etc.

Hardener:

VESTOPOX hardener ZH48-000000 (basis: amine adduct)

Article numbers, colour:

ZT07-0095, black; ZT07-0039, red brown. Other colour shades on request.

Technical specifications (relating to the mixture):

Flash point:	above +23 °C
Viscosity:	intrinsically viscous
Density:	approx. 1.42 g/ml
Mixture ratio:	12:1 with ZH48-
Pot life:	approx. 8 hours (room temperature)
Dry film thickness (DFT):	120-150 µm
Solid density:	approx. 58 %
Solid weight:	approx. 77 %
Gloss class:	sheeny
Tincturial power (theoretical):	approx. 2.7 m^2/kg at 150 µm DFT
VOC value:	approx. 355 g/l
Organic solvent content:	approx. 23 % by weight
Temperature stability:	230 °C temporary 250 °C

The Technical Data indicated are subject to variations depending on colour shade and production process.

Drying times:

Dust-dry:	after approx. 2 hours
Fast to handling:	after approx. 16 hours
Ready for rework:	after approx. 24 hours (spray coating)

Indicated values apply to a dry film thickness of 120 µm at +20 °C and 65 % relative humidity (standard atmosphere).

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.

Priming coats:

Steel: one or two primary coats with products from the VESTOPOX range and two or three finishing coats with VESTOPOX KW-Deck ZT07-. For coatings having a film thickness of 400 µm and more the active primary coat can be dropped if required..

Concrete: one or two primary coats with VESTOPOX sealing primer ZD96 and two or three finishing coats with VESTOPOX KW-Deck ZT07.

Substrate preparation:

Steel: for new coatings: abrasive blasting to preparation grade Sa 2.5 as per DIN EN ISO 12944-4. Old coatings can only be considered capable of bearing if they are built on a 2-component basis and are not solubilised by VESTOPOX KW-Deck ZT07. The substrate may have to be abraded by abrasive blasting. Preliminary tests are recommended.

Concrete: the concrete surface should be solid, clean and dry and may not be contaminated with formwork oil residues. The concrete humidity should not exceed 2.5 %. Cement slurry or finishing mortar layers must be removed.

Applying:

Brush/roller: when using a brush apply the coat evenly. Because of the quick hardening, a swift application is recommended to avoid different film thicknesses. Generally, the coat is applied without thinning.

Airless spray painting: application with the airless spraying should be done under normal temperatures without thinning. At colder temperatures, the material may be thinned by adding up to 5 % VK14- as a maximum.

Minimum pressure:	160 bar
Nozzle:	0.41-0.60 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 VESTOPOX primer ZG80- and the specified finishing coats. Note the point on hardening times.

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:

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. 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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