VESTOLUX

1K-KH-DECK AK KD88-

VESTOCOR PROTECTIVE COATINGS

Product description:

1-component coat based on a chlorine-free plastic combination containing acrylic resin; with high solid density (high solid materials). To be processed as single-film material with a film thickness of 120 µm or with suitable primers as finishing coat with a film thickness of 80 µm. Good anti-corrosion effect and gloss life; very good adhesive strength on zinc-coated surfaces, low solvent portion.

Applications:

Suitable for steel constructions of any kind. Main applications include electricity pylons, power plants, substations, acoustic barriers and the like. This system is also suited for the reconditioning of old coatings.

Hardener:

Not applicable

Article numbers, colour:

E.g. KD88-7016, RAL 7016 anthracite grey
Other colour shades on request.

Technical specifications (relating to the mixture):

Flash point:	above +23 °C
Viscosity:	intrinsically viscous
Density:	approx. 1.58/ml
Mixture ratio:	---
Pot life:	---
Dry film thickness (DFT):	80 µm
Solid density:	approx. 59 %
Gloss class:	matt
Tincturial power (theoretical):	approx. 4.66 m^2/kg at 80 µm DFT
VOC value:	approx. 348 g/l
Organic solvent content:	approx. 22 % by weight
Temperature stability:	max. +100 °C, dry heat (Colour deviations are to be expected from +100 °C.)

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

Drying times:

Dust-dry:	after approx. 3 hours
Fast to handling:	after approx. 12 hours
Ready for rework:	after approx. 24 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.

Priming coats:

Depending on requirements VESTOCOR products based on:
VESTOLUX.

Substrate preparation:

If a priming coat is present, adhesion-reducing residues such as oil, grease, dust, etc. are to be removed.

As a reconditioning coating on steel:

Abrasive blast flaws to preparation grade Sa 2.5 of the DIN EN ISO 12944-4. If only a manual rust removing is possible because of technical or environmental reasons, the preparation grade ST 2 as per DIN EN ISO 12944-4 is recommended as a minimum.

Applying:

Brush/roller: Generally in delivery state, if required add 5 weight per cent VESTOCOR thinner as a maximum.

Airless spray painting:

Generally in delivery state, if required add 5 weight per cent VESTOCOR thinner as a maximum.

Minimum pressure:	approx. 120 bar
Nozzle:	approx. 0.21-0.48 mm

Repair of transport and installation damages:

Thorough manual or mechanical rust removing to preparation grade PSt 3 or PMa as per DIN EN ISO 12944-4. In any case, adhesion-reducing residues should be removed.
Repair with: VESTOPUR 1K-PUR-Grund FG20- and the planned top coats, for example.

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.

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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