

Product description:

Synthetic resin finishing coat based on a short oil alkyd resin, solvent-based. Extensively filling. This finishing coat is available in formulations from sheeny to glossy. The top coat is also available as single-film coating. This product is designed for electrostatic coating, 900-1,200 kilohm.

Applications:

Suitable for steel constructions of any kind as well as for machinery and containers. Is used for indoor and outdoor applications with moderate exposure.

Hardener:

Not applicable

Article numbers, colour:

E.g. KD85-9001, RAL 9001, cream white
Other colour shades on request.

Technical specifications (relating to the mixture):

Flash point:	above +23 °C
Viscosity:	intrinsically viscous
Density:	approx. 1.29 g/ml
Mixture ratio:	---
Pot life:	---
Dry film thickness (DFT):	40-60 µm
Solid density:	approx. 44 %
Gloss class:	glossy
Tinctural power (theoretical):	approx. 5.6 m ² /kg at 60 µm DFT
VOC value:	approx. 450 g/l
Organic solvent content:	approx. 38 % by weight
Temperature stability:	max. +100 °C, dry heat (Colour deviations are to be expected from +100 °C.)
Electric setting:	900-1,200 kilohm

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
Ready for rework:	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 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.

Steel: (if used as a single-layer material)

Abrasive blasting to preparation grade Sa 2.5 of the norm DIN EN ISO 12944-4 is recommended. A thorough manual rust removal can be accepted in technically justified exceptional cases. However, this cannot ensure the same adhesion and corrosion protection as a blasted substrate surface. Any remaining mill scale can result in spalling. Residues hampering adhesion (e.g. oil, grease and dust films, etc.) must be removed.

Applying:

Brush/roller: Processing in delivery state.

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. 0.23-0.48 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.