

Product description:

1-component top coat on the basis of high-quality polyurethane (PUR), solvent-based. This product is easy to process, dries quickly and excels by a good gloss. Intermediate coating with micaceous iron ore conform with Bayer standard 2207. Rev. 2012. This coat is available for a sheeny version. Its UV resistance is restricted depending on the colour shade.

Applications:

Suitable for steel constructions and plants of any kind that are exposed to moderate corrosiveness such as cranes, pipe bridges, machinery etc.

Hardener:

Not applicable.

Article numbers, colour:

e.g. FD20-7702 grey DB 702. Other colour shades on request.

Technical specifications (relating to the mixture):

Flash point:	above +23 °C
Viscosity:	intrinsically viscous
Density:	approx. 1.59 g/ml
Mixture ratio:	---
Pot life:	---
Dry film thickness (DFT):	80 µm
Solid density:	approx. 64 %
Tinctural power (theoretical)	approx. 5.2 m ² /kg at 80 µm DFT
VOC value:	approx. 380 g/l
Organic solvent content:	approx. 22 % weight
Temperature stability:	max. +120°C, dry heat (Colour deviations are to be expected from +100 °C.)

The indicated technical data is subject to variations depending on the colour shade and production process.

Drying times:

Dust-dry:	after approx. 2-3 hours depending on humidity of air
Fast to handling:	approx. 8-12 hours depending on humidity of air

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 85-95 %.

Thinner:

VESTOCOR thinner VN62-, also for tool cleaning.

Priming coats:

Depending on requirements VESTOCOR products based on: VESTOLUX, VESTOPOX, VESTOPUR

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. 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: when using a brush the coating has to be applied uniformly and deeply and spread. Recommended for small areas only.

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. 0.33-0.48 mm

Repair of transport and installation damages:

Recommended surface preparation: abrasive blast flaws to preparation grade Sa 2,5 of the DIN EN ISO 12944-4. Repair with VESTOPUR 1K-PUR- Grund FG20. If - for technical or environmental reasons - only a power rust removing to Pst3 acc. to DIN EN ISO 12944-4 is possible, repair can also be done with VESTOPOX 1K-PUR primer FG20.

Storage and identification according to hazardous substance / workplace safety regulations:

For the identification requirements according to the Ordinance on Hazardous Substances in its currently valid version refer to the relevant Material Safety Data Sheets and labels.

Storage life:

Main component: approx. 3 months in case of proper storage of non-opened drums at +5°C to +25°C.

Safety and protection precautions:

The safety and health at work rules from the German employer's liability insurance association, BGR 500, chapter 2.29, as well as the relevant EC Safety Data Sheets must be followed during processing. 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 instruction sheet M023 "Polyesters and epoxy resins" issued by the German employer's liability insurance association.

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.