

Product description:

1-component priming coat on the basis of high-quality polyurethane (PUR), solvent-based. Pigmented with zinc phosphate and micaceous iron ore. This product is fast-drying and thick-film applicable. FG20- is resistant to various oils.

Applications:

Suitable as priming coat on surfaces that were manually or mechanically prepared. VESTOPUR 1K-PUR-Grund is substrate tolerant and penetrates well.

Hardener:

Not applicable.

Part numbers, colour shade:

E.g. FG20-0309A1VN, red-brown EG
Other colour shades on request.

Technical specifications (relating to the mixture):

Flash point:	above +25 °C
Viscosity:	intrinsically viscous
Density:	approx. 1.44 g/ml
Mixture ratio:	---
Pot life:	---
Dry film thickness (DFT):	80 µm
Solid density:	approx. 62 %
Tinctural power (theoretical):	approx. 5.34 m ² /kg at 80 µm DFT
VOC value:	approx. 365 g/l
Organic solvent content:	approx. 25 % by weight
Temperature stability:	max. +120 °C, dry heat (Colour deviations are to be expected from +120-160 °C.)

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

Drying times:

Dust-dry:	after approx. 60 minutes depending on humidity of air
Dry to the touch:	after approx. 2 hours depending on humidity of air
Ready for rework:	after approx. 5-6 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.

Subsequent coats:

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

Substrate preparation:

Optimal technical properties can be reached after abrasive blasting to preparation grade Sa 2.5. The protective effect is somewhat reduced in case of mechanical surface preparation to P Ma/P St3 or manual surface preparation P St 2 as per DIN EN ISO 12944-4.

Applying:

Brush/roller: when using a brush the coating has to be applied uniformly and deeply and spread. Due to fast drying make sure to work quickly. Generally, the coat is applied without thinning.

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. 0.33-0.46 mm

Repair of transport and installation damages:

Substrate preparation: flaws should be prepared to preparation grade P Ma/P St 3 as per DIN EN ISO 12944-4 as a minimum. Repair with VESTOPUR 1K-PUR-Grund FG20-.

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. 3 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 M023 "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.