

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. This finishing coat is available in formulations from sheeny to glossy. The top coat is also available as single-film coating.

Applications:

Suitable for constructions of any kind, crane installations, machinery, motors and other plant components. VESTOPUR 1K-PUR-Deck is tolerant to substrates.

Hardener: Not applicable.

Part numbers, colour shade:

e.g. FD23-6011 RAL 6011 reseda green.
Other colour shades on request.

Technical specifications (relating to the mixture):

Flash point:	above +24°C
Viscosity:	intrinsically viscous
Density:	approx. 1.25 g/ml
Mixture ratio:	---
Pot life:	---
Dry film thickness (DFT):	80 µm
Solid density:	approx. 71%
Tinctural power (theoretical):	approx. 7.1 m ² /kg at 80 µm DFT
VOC value:	approx. 260 g/l
Organic solvent content:	approx. 20% 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. 2-3 hours depending on humidity of air
Fast to handling:	after 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: VESTOZINK, VESTOPOX, VESTOPUR.

Substrate preparation:

In any case, adhesion-reducing residues such as oil, grease, dust, mill scale, etc. are to be removed.

Steel: Abrasive blasting to preparation grade Sa 2.5 of the norm DIN EN ISO 12944-4 is recommended. If priming coats are present, the surface must be dry, free of oil and grease as well as free of interfering deposits such as salt or the like. In case of doubts remove deposits by steam jet cleaning.

Zinc coated steel: galvanized surfaces should be cleaned from products of oxidation using ammoniacal water and thoroughly rinsed afterwards. Steam jet cleaning with suitable additives and wet-blasting with fine blasting shot or sweeping have proven to be good.

Aluminium: chromating or sweeping is recommended.

Diverse substrates: any present suitable old coatings should be thoroughly cleaned and mechanically roughened. GRP should be start ground. ABS should be cleaned using a suitable solvent, e.g. isopropanol. In case of other substrates, an adherence test should be carried out after consultation with our technical department on a case by case basis.

Applying:

Brush/roller: processing in delivery state.
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. 0.33-0.46 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, for example, and the planned top coats. For single-layer coating, repair is also possible without VESTOPUR Grund.

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 MO23 "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.