

Product description:

2-component finishing coat on the basis of acrylic-polyurethane, high solid. High-quality final coat with good UV resistance, elastical and resistant to chemicals. Moreover, it can also be applied as thick film. The product features a high abrasion resistance, hardness and impact strength as well as an excellent resistance to chemical exposure and mechanical stresses. Good resistance to oils, fuels, salts and thinned acids. The top coat is also available as single-film coating.

Applications:

In coating systems for heavy duty structural steelwork and hydraulic steelwork with high stresses due to water, salt and de-icing salt. Containers in the man-made fibre, textile, pulp and leather industry, lime and cement factories, galvanizing plants, sewage and wastewater treatment plants, refineries, metallurgical engineering, coking plants and similar facilities.

Hardener:

VESTOPUR hardener ZH62-000000 (basis: aliphatic polyisocyanate)

Article numbers, colour:

ZD34-7035, RAL 7035 light grey. Colour shades according to RAL, NCS, BS, Munsell, etc.
Other colour shades on request.

Technical specifications (relating to the mixture):

Flash point:	above +23 °C
Viscosity:	intrinsically viscous
Density:	approx. 1.40 g/ml
Mixture ratio:	8:1 with ZH62-
Pot life:	approx. 6 hours (room temperature)
Dry film thickness (DFT):	50-100 µm
Solid density:	approx. 62 %
Tinctural power (theoretical)	approx. 5.4 m ² /kg at 80 µm DFT
VOC value:	approx. 365 g/l
Organic solvent content:	approx. 23 % weight
Temperature stability:	max. +120 °C, dry heat, short-time 150 °C; Colour shade changes may occur from +120 °C.

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

Drying times:

Dust-dry: after approx. 2 hours
Fast to handling: after approx. 4.5 hours
Indicated values apply to a dry film thickness of 80 µm at +20 °C and 55 % relative humidity (standard atmosphere).

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: VESTOPOX, VESTOPUR

Substrate preparation:

Steel: for a complete coating build-up, abrasive blasting to preparation grade Sa 2.5 as per DIN EN ISO 12944-4. With existing suitable priming coats 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. If required, a first micaceous iron ore-free finishing coat has to be ground after a longer period of service to obtain a good intercoat adhesion. Priming with the specified 2-component primers from the VESTOPOX range. In any case, adhesion-reducing residues such as oil, grease, dust, mill scale, etc. are to be removed.

Zinc coated steel: surface to be free from all contaminants which reduce adherence. To achieve this sweeping or steam jet cleaning is recommended. Then apply a suitable primer based on 2-component epoxy resin.

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 to be 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. 140 bar
Nozzle: approx. 0.33-0.48 mm

Repair of transport and installation damages:

Steel: abrasive blast flaws to PSa 2,5 or at least PSt 3 as per DIN EN ISO 12944-4, and repair using VESTOPUR 1K-PUR FG20- or VESTOPOX 2K-EP-1.Deck RAPID ZG75- and the specified top coats.

Zinc coated steel: Surface to be free from any adherence-reducing soiling (sweeping). Apply a suitable primer based on 2-component epoxy resin.

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. 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.