

Product description:

Highly temperature resisting 1-component primary coat based on silicone resin, solvent-based. Active pigment: zinc powder

Applications:

Primary coats for steelwork exposed to high thermal loads, e.g. furnace walls, steel chimneys, blast furnace gas lines, cracking installations, rotary tubular kilns, exhaust equipment, etc. which reach temperatures up to +450 °C alternatingly, permanently or occasionally. Can resist max. temperatures up to +540 °C if they occur occasionally. Very good protection against corrosion and resisting to weathering and high temperatures in a system with suited finishing coats.

Hardener:

Not applicable.

Article numbers, colour:

MG19- grey
Other colour shades on request.

Technical specifications (relating to the mixture):

Flash point:	above +22 °C
Viscosity:	low-viscous
Density:	approx. 2.5 g/ml
Mixture ratio:	---
Pot life:	---
Dry film thickness (DFT):	30-60 µm
Solid density:	approx. 43 %
Tinctorial power (theoretical):	approx. 5.7 m ² /kg at 30 µm DFT
VOC value:	approx. 522 g/l
Organic solvent content:	approx. 20 % by weight
Temperature stability:	max. +450 °C, dry heat (permanent exposure) max. +540 °C dry heat (max. exposure)

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

Drying times:

Dust-dry:	after approx. 20 minutes
Fast to handling:	after approx. 30 minutes
Ready for rework:	after approx. 4-5 hours (spray coating) after 24 hours (application by brush or roller)

Indicated values apply to a dry film thickness of 30 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 universal thinner VN62-, also for tool cleaning.

Subsequent coats:

Depending on requirements VESTOCOR products based on: VESTOTHERM

Substrate preparation:

Steel: abrasive blasting to preparation grade Sa 2.5 of the standard DIN EN ISO 12944-4. An optimal bond of zinc powder-containing coatings can generally only be achieved after abrasive blasting with sharp-edged blasting material.

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. 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 VESTOZINK 1K-SI-Zinkstaub.

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. 6 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.

Notes:

If too thick films are applied, scission in the excessively thick zinc powder coat due to cohesive fracture may occur after outdoor weathering or after application of finishing paints. That is why a film thickness greater than 150 µm should be avoided. 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.