VESTOTHERM
1K-ALU-DECK KM55-

VESTOCOR PROTECTIVE COATINGS

Product description:
1-component coating based on a hydrocarbon resin combination with a brilliant silvery shade, solvent-based. Aluminium-pigmented.

Applications:
Protective coating for temperature-stressed objects in indoor areas such as pipes, oven systems, steel constructions.
This material can permanently resist temperatures up to +400 °C.

Hardener:
Not applicable

Article numbers, colour:
KM55-0906 silver

Technical specifications (relating to the mixture):

Flash point:	above +23 °C
Viscosity:	low-viscous
Density:	approx. 0.99 g/ml
Mixture ratio:	---
Pot life:	---
Dry film thickness (DFT):	20-25 µm
Solid density:	approx. 27 %
Gloss class:	sheeny
Tincturial power (theoretical):	approx. 14 m^2/kg at 20 µm DFT
VOC value:	approx. 662 g/l
Organic solvent content:	approx. 67 % by weight
Temperature stability:	max. +400 °C, dry heat (continuously resistant)

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

Drying times:

Dust-dry:	after approx. 30 minutes
Fast to handling:	after approx. 2 hours
Ready for rework:	after approx. 6 hours (with itself)

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 %.

Thinner:
VESTOCOR thinner VN62-, also for tool cleaning.

Priming coats:
In special cases, with temperature stresses up to 200 °C, a zinc powder primer such as MG06- VESTOZINK EPE-Zinkstaub can be applied to improve the protection against corrosion. In such a case, an abrasive blasting to preparation grade Sa 2.5 as per DIN EN ISO 12944-4 is mandatory. For normal stresses, 1-2 layers of KM55- with a film thickness of 20-25 µm are normally sufficient.

Substrate preparation:
Steel: if a zinc powder primer is used, abrasive blasting to preparation grade Sa 2.5 as per DIN EN ISO 12944- 4 is required.
In any case, the surface must be free of adherence-reducing soiling such as oil, grease, dust, mill scale, scale, etc.

Applying:
Brush/roller: processing in delivery state. Use soft brushes, apply liberally and work quickly when applying with brushes. Use new lamb-skin rollers for roller application.

Airless spray painting: generally in delivery state, if required add 5 weight per cent VESTOCOR thinner as a maximum.

Minimum pressure:	approx. 100 bar
Nozzle:	approx. 0.23-0.48 mm

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:
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.

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.

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