

ZIMO K5

zinc rich primer

Swiss Railways Quality

Product Description

High percentage, unblended one-pack zinc rich primer, on epoxy ester basis, meeting Swiss Railways specification sheet 47.18. Excellent cathodic (electrochemical) corrosion protection due to a content of above 90 % zinc dust in the dry coating. Thermal resistance up to approx. 140 °C dry heat.

Areas of Application

Sand blasted steel constructions for vehicle constructions.

Application

Conventional and airless spraying, brushing and rolling.

Airless nozzles (approximate settings)
narrow = 218 / medium = 418 / wide = 618

Do not apply at temperatures below + 5 °C. Surface temperature must be at least 3 °C above dew point to prevent moisture condensation during application.

The maximum dry film thickness of the zinc rich primer should not exceed 150 µm.

Can be recoated with ZIMO K5 after 2 hrs at 20 °C.

Addition of Thinner

Conventional spraying	8 - 12 wt.-%	V16 or V1
Airless spraying	5 wt.-%	V16 or V1
Brushing and rolling	ca. 3 wt.-%	V16 or V1

Special Note

Our data are based on a dry film thickness of approx. 60 µm for primers and approx. 40 µm for top coats, standard climate 23/50 DIN 50014.

The information contained in this technical data sheet is based on general technical standards and is meant for specialists. Any changes in the recommended operating procedures or specified environmental conditions may influence the results significantly. Our guarantee covers only the quality of the material delivered. We do not accept any responsibility for the application. In case of doubt, we recommend contacting our Technical Service. Our products are under constant development. Therefore please note date of issue of our technical data sheet and ask for latest edition.

Safety Measures

ZIMO K5 contains solvents and is combustible, therefore protect from heat and keep away from naked flames. Sufficient air circulation must be provided. Do not inhale vapours. All regulations regarding work hygiene and operational measures must be observed.

Technical Data

Binder	Epoxy ester
Pigmentation	Zinc dust powder
Finish	Matt
Colour	Zinc grey
Substrate	Blast cleaning according to ISO 8501-1 Sa 2 1/2. Remove abrasive residue or dust from surface. Recoat as soon as possible after blast cleaning to prevent rusting. The surface must be dry, free of grease and dust.
Thinner	V16 or V1 The use of other thinners may lead to defects and loss of quality.
Packaging	5, 10 and 25 kg disposable containers 450 kg returnable barrels
Storage	6 months in original, unopened containers stored at 20 °C.
Waste disposal	Residues are considered as special refuse and must be treated as such, VeVa-code 08 01 11.

Components	1
Drying (20 °C)	Dust free approx. 5 minutes Dry to touch approx. 30 minutes Transportable approx. 16 hours Drying times depend on film thickness, substrate and air temperatures.
Forced drying	possible, e.g. 30 min. @ 80 °C

Solids content	by weight: approx. 88 % by volume: approx. 58 %
Density (20 °C)	approx. 3,2 kg/l
Theoretical consumption	approx. 330 g/m ² @ 60 µm

	ZIMO K5	V16	V1
Flash point	24 °C	25 °C	25 °C
UN-No.	1263	1263	1263
Danger class RID/ADR	Not applicable	3 III	3 III
VOC content	12,9 %	100 %	100 %

(replaces issue 11.06)

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