

ZIMO® K1 zinc rich primer

Product description

One-pack epoxy ester zinc rich primer with excellent corrosion protection. Thermal resistance up to approx. 120 °C dry heat.

Areas of application

Excellently suitable as extra coating for sand blasted parts already coated with a thin layer of zinc rich primer, for mending of welding seams, as well for covered steel constructions. For outdoor exposure we recommend use of a suitable top coat.

Application

Airless spraying, brushing and rolling.

Airless nozzles (approximate settings)

narrow = 218 / medium = 418

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, particularly if a top coat is to be applied.

- Can be recoated with Zimo K1 after 2 hrs at 20 °C.
- One-pack top coats can be used after 15 hrs at the earliest at 20 °C.
- Cannot be recoated with two-pack products.

Addition of thinner

Airless spraying: 0 - 5 % V1

Brushing and rolling no addition of thinner

Special note

Our indications are referring to normal climate 23/50. 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 the latest edition.

Safety Measures

Zimo K1 contains solvents and is combustible. Protect from heat and keep away from naked flames. Ensure that ventilation is adequate. Do not inhale vapours. The Safety Data Sheet as well as the general regulations regarding work hygiene and operational measures must be observed.

Technical Data

Binder	Epoxy ester
Pigmentation	Zinc dust powder
Finish	Matt
Color	Zinc grey (According to origin of zinc dust powder color variances light/dark are possible.)
Substrate	Steel, blast clean according to ISO 8501-1 Sa 2 ½. 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	V1 The use of other thinners may lead to defects and loss of quality.
Packaging	5, 15 kg disposable containers 350 kg returnable barrels spray cans with 100 ml paint
Storage	6 months in original, unopened containers, stored at a temperature of 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. 10 minutes Dry to touch approx. 45 minutes Transportable approx. 24 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. 80 %
Density (20 °C)	by volume: approx. 51 %
Theoretical consumption	approx. 2,15 kg/l
	approx. 260 g/m² @ 60 µm

	Zimo K1	V1
VOC value	22 %	100 %

(replaces issue 01.21)

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