

KemGuard 501 Primer

Inorganic Zinc Silicate Primer

PRODUCT DESCRIPTION

Two Pack, Moisture curing Inorganic Zinc Silicate Coating

PRODUCT FEATURES

- Excellent Corrosion Protection and Abrasion Resistance.
- Excellent Water and Solvent Resistance
- Good Resistance to saline and marine environments
- Resistance upto Temperature 400 °C.

PRODUCT SPECIFICATION DATA

Colour	:	Grey
Finish	:	Matt
Volume Solids	:	Aprox. 62 %
Recommended DFT	:	50 – 75 microns
Theoretical Covering Capacity	:	12.40 Sq.Mtr / Ltr / Coat @ 50 microns dft 8.27 Sq.Mtr / Ltr / Coat @ 75 microns dft
Drying Time at 30 °C & 50 % RH	:	Surface Dry : 30 minutes Hard Dry : 16 Hours Full Cure : 7 Days
Overcoating Interval at 30 °C	:	Minimum : 16 Hours Maximum : Unlimited, provided surface is free from any contamination corrosion and zinc salts.
Shelf Life	:	6 months
Flash Point	:	Above 20°C
Pot Life	:	4 hours depending upon ambient temperature
Mixing Ratio	:	44 : 56 (Hydrolysate : Zn Dust)
Thinner Recommended	:	Thinner – 5
Application method	:	Air Spray & Airless Spray
Pack Size	:	20 ltr , 4 ltr
Storage Conditions	:	Store in a cool, dry place. The containers should be sealed under normal temperature conditions.

SURFACE PREPARATION & SUBSTRATE CONDITIONS:

Steel - Blast Clean to Sa 2.5 of Swedish Specs. Blasting Profile : 40 – 70 microns

Substrate Temperature should be atleast 3 Degree C above dew point but not above 50°C.

Relative Humidity should be above 50%.

Thinner Addition :

Air Spray & Airless Spray : 10 – 20 % (With Prior Check of required Coating Thickness with WFT Gauge)

Important Note :

- Mix Quantity, which can be used off within the utilization period should be mixed.
- The amount of thinner added must be carefully adjusted to secure optimum film formation.
- The mixed quantity should be continuously stirred during spray.
- Please refer to guidelines for the application of Inorganic Zinc Silicates coatings for further details.

	Surface	1 st Coat	2 nd Coat	3 rd Coat
Typical Painting Specifications :	Steel	KemGuard 501 Primer	KemOxy 311 HB Top Coating	KemOxy 301 Top Coating
	Steel	KemGuard 501 Primer	KemOxy 322 MIO HB Coating	KemOxy 324 HB Coating
	Steel	KemGuard 501 Primer	KemOxy 322 MIO HB Coating	KemThane 411 Top Coating

SAFETY PRECAUTIONS:

Please refer to the Product Safety Data Sheet for detailed safety measures.



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