



Manufacturer of Industrial,
Protective, Marine Traffic, Automotive
& Decorative Paints

AMA
BRS™
ISO 9001
HSE - ISO 14001
ISO 45001

Three Components Zinc Rich Epoxy Primer

KRS-227



Description & Recommended Use

Zinc rich epoxy primer is a three-component coating. In the suitable condition, Zinc in this Primer can be creating an electrochemical protection on the surface such as galvanic condition. It gives a cathode protection film with the maximum performance on structural steel, machinery, pipes and tanks oil, refineries, power plants. This Primer alone is not suitable for immersion in acid or alkaline solution. As a versatile long-life primer steel, suitable for application on industrial structures to be exposed in severe corrosive atmospheres.

Surface Preparation

The surface should be free from any rust, moisture, mill scale, oil & grease.

Mechanical & chemical surface preparation methods should be performed depending on the type of contamination, the coating system environmental condition & the service life.

If paint application without primer for ferrous & Steel use blast in accordance with sa2 or sa2 ½ & remove all the abrasive residues & dust from the surface after sandblasting.

Apply the paint immediately followed by surface preparation

Data Sheet / Technical Data at 25 ° C

Binder	epoxy – polyamide
Components	three
Colour	Gray
Finish	flat
Density (gr/cm ³) (A+B)	2.95±0.05
sold Contents (by weight) (A+B)	88%±2
Solid Contents (by volume) (A+B)	60%±3
Dry film thickness(μ)	50-75 μ
Theoretical coverage at 50μ	12 m ² /lit
Flash point	22 ° C
Storage condition	Store in dry & cool

Technical Application Details at 25 ° C

Curing mechanism	Chemical reaction
Mixing ratio (by weight) (A/B)	40/10/3.5
Mixing ratio (by volume) (A/B)	3.5/2.7/1
Pot life	7 hr
Thinner	239
Dry to touch	½ hours
Dry to handle	8 hours
Fully cured	1 week
Min. time to overcoat	12-24 hours
Max. time to overcoat	3 weeks
Shelf life (Standard condition)	12 Month



Factory: No727, Aven. Afra, Abas abad industrial state
Boostan Ave, Velenjak St, Tehran, IRAN



Phone: (+98)21-364 247 92-4
(+98)21-364 232 95-7



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Description

Application Equipment

Conventional spray
Airless Spray
Brush (for corners)
Pump ratio: 28:1
Tip: 0.38 mm-0.53 mm
Nozzle pressure: 150 bar/ 2200 psi

Code

Environmental Conditions

Air temperature: 10°C – 40°C
Surface temperature: 10°C – 40°C
To prevent moisture condensation
During application surface temperature must be at 3 °C above the dew point

Application procedure

Flush equipment with recommended cleaner before use
Stir component A (base) with a Power Mixer.
Add hardener to base in the proper Mixing continue stirring for 5-10 Minutes.
After 20 – 30 minutes add Shakiba's thinner for ready to use
Use Shakiba's thinner for adjusting the viscosity.
The consumption depends on temperature & type of equipment & thickness paint

Safety

This product is flammable it must be kept away from heat, flash & flame
keep container closed use with adequate ventilation & Earth
Prolonged & repeated contact with skin may be harmful
In case of eye contact flush with plenty of water and check with a medical doctor.

Note

Pot life, drying time is dependent on air and steel temperature, applied film thickness.
Never apply coatings under environmental condition.
Adjusting the viscosity & pressure. For better adhesion on un steel, we offer wash primer as on under.
This information given 25°C temperature and changed temperature cause to change data.
Don't use different thinner; otherwise, we decline all responsibilities of it.
For more information, please call to sale engineering expert.



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