



## TECHNICAL INFORMATION

# RED OXIDE ZINC OXIDE ALKYD PRIMER RZ-2112-3

### Product Description

RZ-2112-3 is a primer based on raw linseed oil and alkyd resin, containing zinc oxide and iron oxide pigments, complies with SSPC Paint 25 Type II.

### Recommended Use

For use on interior and exterior of structural steel to be top coated with conventional paint systems.

### Outstanding Characteristics

- Rust Preventing
- Excellent recoat ability
- High Resistance in mildly to moderate corrosive environment
- Not suitable for immersion

### Surface Preparation

Remove oil and grease, etc. with suitable solvent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Abrasive blasting to minimum Sa 2½ alternatively power tool cleaning to ST3.

### Technical Data

Finish	Flat-Semi flat
Colour	Red Brown
Volume Solids	72 ± 2%
Specific Gravity	1.55 ± 0.05 gr/cm <sup>3</sup>
Flash Point	38 °C
Recommended D.F.T.	45-55 microns
Theoretical coverage	16-13.09 sqm/lit 10.32-8.44 sqm/kg
Practical Coverage	Depends on loss factor
Touch dry	20 hrs at 25 °C
Thermal Resistance	120°C
Shelf life	12 months at 20 °C

### Application Details

Application method	Air/Airless spray, Brush, Roller
Nozzle orifice	0.019" -.021"
Nozzle pressure	150 bar / 2200 Psi
Application temperature	above 10 °C
Mixing ratio	single pack
Thinner/Cleaner	RZT- 21
Pot life	N/A
Recoat interval	Min 24 hrs at 20 °C Max 1 month at 20 °C

---

## Application Procedure RZ-2112-3

1. Flush all equipment with recommended cleaner before use.
  2. Stir the product thoroughly with a power mixer.
  3. For conventional spray, thin with no more than 15% of recommended thinner for workability. For airless spray 5% of thinner is normally sufficient.
  4. Apply a wet coat by parallel passes. Overlap each pass 50% to avoid bare areas, pinholes or holidays.
  5. Double coat all welds, rough spots, sharp edges, rivets, bolts, etc. to ensure proper thickness.
  6. Check thickness of dry coating with a non-destructive dry film thickness gauge. Recoat if greater thickness is required.
- Note:** If the maximum recoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.
- Before recoating after exposure in contaminated environment, clean the surface thoroughly by (high pressure) fresh water hosing and allow to dry.
7. Random pinholes, holidays and small damaged or bare areas can be touched up by brush when the film is dry to touch. Larger areas should be resprayed.
  8. In confined areas ventilate with clean air during application and drying until all solvents are removed.
  9. Clean all equipment with recommended cleaner immediately after use.

---

## Limitations

Surface temperature must be at least 3°C above dew point.  
Relative humidity during application should be less than 80%.  
Do not apply coatings under reverse environmental conditions.

---

---

## Safety

This product is flammable. Keep away from heat and open flame. Keep container closed. Avoid prolonged and repeated contact with skin. Since improper use and handling can be hazardous to health and cause fire or explosion, safety precautions included with application instructions must be observed during all storage, handling, use and drying periods.

If used in confined areas:

- circulate adequate fresh air continuously during application and drying.
- Use fresh air masks and explosion proof equipment
- Prohibit all flames, sparks, welding and smoking
- Take precautionary measures against static discharges

Keep away from food products.

---

---

## Storage and Handling

The products must be stored in accordance with national regulations.

The products should be kept in a cool and well ventilated place protected from heat and direct sunlight. Containers must be kept tightly closed.

Handle with care. Stir well before use.

---

---

## Remarks

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience.

However we reserve the right to change the given data without notice.

Any recommendation relating to the use of the products is based on data believed to be reliable. It is buyer to satisfy itself of the suitability of the product for its own particular use.

As the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself.

---

# **RANGUIN ZEREH**

## ***Protective Coatings***

No.12, Str.15<sup>th</sup> Bokharest Ave. Tehran/ Iran  
Tel: +98 21 88723676 Fax: +98 21 88716358

<http://www.Ranguinzereh.com>  
Email: [info@Ranguinzereh.com](mailto:info@Ranguinzereh.com)

Revised Feb 2010
---------------------