



RZ - 5111

Polyamide Cured Epoxy Primer

Product Description

RZ-5111 is a two component, zinc and metal free polyamide cured epoxy undercoat.

Recommended Use

RZ-5111 is designed as a shop or site primer over stainless steel, galvanized and non ferrous surfaces .

It can be use for application to fiber glass and surfaces .

Outstanding Characteristics

- Good adhesion to stainless steel and non ferrous substrates.
- Good hardness and flexibility.
- Good compatibility with polyurethane finish coats.
- Suitable for application direct to sanded fiber glass surfaces.

Surface Preparation

Remove grease, oil and other contaminants. Abrade the surfaces with abrasive paper (NO.180) or whip blast with fine non metallic media such as garnet . Remove all dust by blowing down with compressed air or wash with fresh water before applying primer.

Technical Data

Finish	Flat
Color	Light green 418,Grey
Volume Solids	55 ± 2%
Specific Gravity	1.4 ± 0.05 gr/cm ³
Flash Point	26 ° C
Recommended D.F..T.	40-75micrones
Theoretical coverage	13.75-7.3 m ² /lit 9.8- 5.2 m ² /kg
Touch dry	2 hrs at 25°C
Fully cured	7 days at 25 °C
Thermal Resistance	Up to 120 °C
Shelf life	12 months at 25 °C

Application Details

Application method	Air/Airless spray, Brush,Roller
Nozzle orifice	0.017"-0.019"
Nozzle pressure	150 bar / 2200 Psi
Ambient temperature	5-45 °C
Mixing ratio	Base / Hardener 6 / 1 by weight
Thinner/Cleaner	RZT- 51
Pot life	Max 8 hrs at 25°C
Recoat interval min:	(see Remarks Overleaf)
Recoat interval max:	(see Remarks Overleaf)


Application Procedure of RZ-5111

1. Flush all equipment with recommended cleaner before use.
2. Stir pigmented resin (in the larger container) to an even consistency with a power mixer.
3. Add cure to pigmented resin, and continue stirring for 5 minutes.

Note: Since the pot life is limited and shortened by high temperatures; do not mix more material than will be used in 8 hours at 25° C.

4. For conventional spray, thin with no more than 20% of recommended thinner for workability. For airless spray 10-15% of thinner is normally sufficient. Wait for 15-20 min after mixing.
5. Stir during application to maintain uniformity of material. Apply a wet coat by parallel passes. Overlap each pass 50% to avoid bare areas, pinholes or holidays.
6. Double coat all welds, rough spots, sharp edges, rivets, bolts, etc. to ensure proper thickness.
7. Recoating:

Recoating interval to later conditions of exposure at 25 °C.

Recoating with	Minimum		Maximum	
	Atmospheric			
	medium	severe	medium	severe
Epoxy	12 hrs	12 hrs	30days	14days
RZ-6131-3	12 hrs	12 hrs	5 days	3days

**overcoating times will reduce significantly at high ambient temperature or in strong sunlight*

Note: If the maximum recoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.

8. 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.
9. in confined areas ventilate with clean air during application and drying until all solvents are removed.
10. Clean all equipment with recommended cleaner immediately after use.

Environmental Conditions

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.
Each coat shall be air dried a minimum of 12 hours at 25° C prior to recoating. Longer recoat times will be required at lower temperatures. Normal recoat time is within 12 hours. Longer recoat times may require special surface preparation. Theses coating shall not be applied at temperatures below 5° C.

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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 conditions

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.

Storage Temperature and Humidity: 10-30 °C and RH:0-85 %

Shelf Life :12 months (when kept at recommended storage conditions and in original unopened containers.

Disclaimers

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.

Revised
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