



TECHNICAL INFORMATION

POLYAMIDE EPOXY PRIMER RZ – 5111-6

Product Description

RZ-5111-6 is a two component, polyamide cured, high epoxy coating, complies with IPS-M-TP-215.

Recommended Use

As a high solid, high performance protective coating in aggressive environment over concrete or metal surfaces.

Outstanding Characteristics

- Excellent oil resistance
- Excellent chemical resistance against weak acids and alkalies
- Resistance to transit and handling damages
- Corrosion resistance in moderately to severely marine & industrial environment

Surface Preparation

Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning.

Abrasive blasting to Sa 2½, SSPC-10 with a sharp-edged surface profile corresponding to Rugotest No. 3, BN9a, keane-Tator comparator, 2.0 G/S or ISO comparator, medium (G).

Technical Data

Finish	Flat
Colour	White , gray
Volume Solids	53 ± 2%
Specific Gravity	1.45 ± 0.05 gr/cm ³
Flash Point	26 °C
Recommended D.F.T.	50 - 100 microns
Theoretical Coverage	10.6-5.3 sqm/lit 7.31-3.65 sqm/kg
Practical Coverage	depends on loss factor
Touch dry	2 hrs at 20 °C
Fully cured	7 days at 20 °C
Thermal Resistance	140 °C
Shelf life	12 months at 25 °C

Application Details

Application method	Air/Airless spray , Brush
Nozzle orifice	.019"-.021"
Nozzle pressure	150 bar / 2200 Psi
Application temperature	above 5 °C
Mixing ratio	Base / Hardener 7 / 1 by weight
Thinner/Cleaner	RZT- 51
Pot life	8 hrs at 20°C
Recoat interval min:	see Remarks overleaf
Recoat interval max:	see Remarks overleaf

Application Procedure RZ-5111-6

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 20°C.

4. For conventional spray, thin with no more than 10- 15% of recommended thinner for workability. For airless spray 5% 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

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

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.

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.

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.

Each coat shall be air dried a minimum of 12 hours at 68°F (20° C) prior to recoating. Longer recoat times will be required at lower temperatures. Normal recoat time is within 24 hours.

Longer recoat times may require special surface preparation. These coating shall not be applied at temperatures below 41° F (5° C).

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.

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