

TECHNICAL DATA INFORMATION

SURFACE TOLERANT EPOXY MASTIC RZ – 5215-1

Product Description

RZ-5215-1 is a high solids, heavy duty epoxy primer ideal for maintenance and fabrication shop application .It is a durable epoxy for tank lining of oil ,gasoline ,gas oil and distilled salted water tanks

Recommended Use

For use over prepared steel and concrete in industrial exposures such as:

- Fabrication shops
- Pulp and paper mills
- Power plants
- Offshore platforms
- Marine applications
- Refineries
- Chemical plants
- Tank Exteriors
- Water treatment plants
- Concrete floors

Outstanding Characteristics

- Low VOC
- Film builds on sharp edges and corners
- Good solvent resistance
- Chemical resistant
- Abrasion resistant.
- Excellent water immersion resistance.
- Confirmed with IPS-M-TP-202.

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, BN 9a , Keane-Tator comparator ,2.0 G/S or ISO comparator , Medium (G) .

Technical Data

Finish	Gloss, semi Gloss
Color	Grey, Red Brown
Volume Solids	70 ± 2%
Specific Gravity	1.45 ± 0.05 gr/cm ³
Flash Point	24 °C
Recommended D.F.T	40-120 microns
Theoretical coverage	17.5- 5.8 m ² /lit 12 - 4 m ² /kg
Practical Coverage	depends on loss factor
Touch dry	4 hours at 25 °C
Fully cured	7 days at 25 °C
Thermal Resistance	Up to 140 °C
Shelf life	12 months at 25 °C

Application Details

Application method	Air/Airless spray, Brush
Nozzle orifice	0.019"-0.023"
Nozzle pressure	150 bar / 2200 Psi
Application temperature	above 10 °C
Mixing ratio	base / hardener 5 / 1 by weight
Thinner/Cleaner	RZT-52
Pot life	90 minutes at 25°C
Recoat interval	Min 24 hours at 25 °C Max 5 days at 25 °C

Application Procedure RZ-5215-1

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 3 minutes.

Note: Since the pot life is limited and shortened by high temperatures, do not mix more material than will be used 90 minutes at 25°C.

4. 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.
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.

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.
Normal recoat time is within 24 hours. Longer recoat times may require special surface preparation. The coating shall not be applied at temperatures below 10°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 rights 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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