

TECHNICAL INFORMATION

GLASS FLAKE POLYAMINE EPOXY RZ-5249-3

Certified By DNV as system7 coating ,Norsok M 501

Product Description

RZ-5249-3 is a two component ,high solid epoxy coating reinforced with glass flake for enhance durability and corrosion resistance.

Recommended Use

It is used as intermediate ,finish coat and sometimes as self priming coat on properly prepared surface .An excellent maintenance coating for offshore and onshore installation subject to highly humid and saline conditions.It is a suitable coating for bottom of crude oil , distilled water ,Waste water , some chemical tanks.

Outstanding Characteristics

- Excellent mechanical strength
- High resistance against crude oil
- High chemical resistance against weak acids and alkalies
- Applicable in high film thickness.
- Low water permeability due to glass flake barrier.
- It meets system 7 requirements Norsok M501 and certified by DNV (Cer. No. K-4282)

Surface Preparation

Remove any oil, grease and other contaminants by detergent and salt high pressure fresh water hosing prior to abrasive blasting.

Abrasive blasting to Sa2½ (ISO 8501-1:1988) with a surface profile equivalent to rugotest No. 3 BN 10b, Keane-tator comparator 3.0 G/S ISO comparator, rough Medium. (G)

Technical Data

Finish	Semi gloss
Colour	White, gray
Volume Solids	80±2%
Specific Gravity	1.33 ± 0.05gr/cm ³
Flash Point (closed cup)	32°C
Dry film thickness	250-700 Mic 700 Mic. applied in two coat
Theoretical Coverage	3.2-1.1 sqm/lit 2.4-082 sqm/kg
Practical Coverage	depends on loss factor
Touch dry	10 hrs at 25 °C
Fully cured	7 days at 25 °C
Shelf life	6 months at 25 °C

Application Details

Application method	Airless 65:1 (See Remark over leaf)
Nozzle orifice	0.021" –0.027"
Nozzle pressure	180 bar / 2600 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:	see remarks overleaf
Recoat interval max:	see remarks overleaf

Application Procedure **RZ-5249-3**

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 .
4. Since the pot life is limited and shortened by high temperatures, do not mix more material than will be used in 90 minutes at 25° C .
5. Double coat all welds, rough spots, sharp edges, rivets, bolts, etc. to ensure proper thickness.
6. Recoating:

Recoating interval to later conditions of exposure at 20°C/68°F

Recoating with	Minimum	Maximum
	Atmospheric	
RZ-6131	8 hrs	3 days
RZ-5249-3	10 hrs	7 days

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. Application equipment: standard airless heavy spray equipment:

- Pump ratio: min 65: 1
- Pump out put: min 12 lit / minute
- Spray hoses: max 15 meters / 3/8" internal diameter

8. Check thickness of dry coating with a non-destructive dry film thickness gauge. Recoat if greater thickness is required.
9. 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.
10. 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.

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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