

RZ - 1281

Solvent Born Passive Fire Protection Coating

Product Description

RZ-1281 is a single pack, solvent based ,thin film intumescent coating .

Recommended Use

As a thin film intumescent coating for protection of internal steel structures. It can be applied on or off-site and can be used on building requiring 30,60 and 90-120 minutes fire resistance.

Outstanding Characteristics

- Swell to provide a high density foam char with low heat conductivity.
- Suitable as a first coat in various paint systems.
- High resistance in moderately to severely environment.
- It is tested by **Road, Housing & URBAN Development Research Center(BHRC)**for 1,2 hours fire resistance.

Surface Preparation

It should be applied onto a clean, undamaged dry and primed steel surfaces.
Remove oil and grease, etc. with suitable detergent.
Remove salt and other contaminants by (high pressure) fresh water cleaning.

Technical Data

Finish	Flat
Color	White, Grey
Volume Solids	61 ± 2%
Specific Gravity	1.37 ± 0.05 gr/cm ³
Recommended D.F.T.	500-3000 micron <i>It may be applied 250 Mic. at every coat</i>
Theoretical coverage	1.2-0.2 m ² /lit 0.9-0.14 m ² /kg
Touch dry	60 min at 25 °C
Shelf life	12 months at 25 °C

Application Details


Application method	Airless spray, Brush,Roller
Nozzle orifice	0.025" –0.031"
Nozzle pressure	230 bar
Ambient temperature	10-45 °C
Mixing ratio	single pack
Thinner/Cleaner	T-12
Recoat interval min:	(see Remarks Overleaf)
Recoat interval max:	(see Remarks Overleaf)

Application Procedure of RZ- 1281

1. Flush all equipment with T-12 before use.
2. Stir the product thoroughly with a power mixer.
3. 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.Recoating:

Recoating interval to later conditions of exposure at 25° C

Recoating with	Minimum		Maximum	
	Atmospheric			
	medium	severe	medium	severe
RZ-1281	none	none	none	none
RZ-2131	12hrs	12hrs	7 days	5days

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.

6. 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 sprayed.

7. In confined areas ventilate with clean air during application and drying until all solvents are removed.

8. In confined areas ventilate with clean air during application and drying until all solvents are removed.

9. Clean all equipment with T-12 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 12hours at 25° C prior to recoating. Longer recoat times will be required at lower temperatures. Normal recoat time is within 12 hours. Theses coating shall not be applied at temperatures below 10° C.

Safety

This product is not flammable.

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

Store in cool dry conditions, away from sources of heat and naked flames, in the original, unopened packs. If stored at high temperature , the shelf life may be reduced.

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.

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