

TECHNICAL DATA SHEET

PAS-TDS-EPX-009

MULTIPOXY 1928 - Water Dispersible Epoxy Coating

Description

MULTIPOXY 1928 a water dispersed epoxy enamel formulated to provide a protective and decorative coating for steel and concrete. It exhibits excellent adhesion to damp and green concrete and good adhesion to most substrates. Due to the absence of strong smelling, hazardous solvents this material is suitable for application in areas inconvenient or impossible to close down.

Typical Applications

- Walls and floors of garages
- Engineering shops
- Laboratories
- Hospitals
- Breweries
- Food storage areas
- Showrooms as an anti-graffiti coating
- Nuclear power stations

Advantages

- Resistant to Steam cleaning (water)
- Easy to decontaminate
- LON Toxicity
- Good adhesion to most substrates
- LOW Odour
- Easy cleaning of equipment
- Non-inflammable
- Good resistance to a variety Of reagents
- Non-toxic when cured
- Easily repairable
- Compliant to ANSI. 101.2 (Radiation Resistance)

Typical Properties

Mixing Ratio:	1.5:3.5v/v
Spreading Rate:	7 -9m ² / litre depending on surface
Thinner:	Clean water
Dry film thickness:	40-60 microns / coat
Touch dry:	3 hrs. (25°C 50% RH)
Hard dry:	12 hrs. (25°C 50% RH)
Potlife:	1.5hrs at 25°C
Application temperature:	10°C to 35°C
Application & Curing:	10°C to 35°C (Preferably less than 70%RH)
Humidity	80%
Maximum working temp:	60 °C (Dry) Maximum Dry Film
Thickness:	>75 microns
Colour:	Standard colours available

Chemical Resistance

- Distilled Water
- Sea Water
- Sodium Hydroxide
- Vegetable Oil crude Oil
- Skydrol
- Xylene
- Limited resistance to inorganic acids

The following information regarding usage in Nuclear Plants has been supplied to us by our European Principals.

Because of its excellent radiating resistance and ease Of decontamination MULTIPOXY 192B is immanently suitable for use as a coating in Nuclear Power Plants. This system has been used extensively as a coating for steel and concrete to aid safety due to ease of decontamination in containment, drywall and sacrificial shield areas.

Direction for use

- Add the base to activator and mix thoroughly with a high speed power mixer. It is essential that a mechanical mixer be used to achieve proper emulsification. Insufficient emulsification by mixing with a low speed mixer or stick will result in a soft cheesy coating With a IOW gloss.
- Once the material has been properly mixed 3-5 min. Up to 20% water may be added to the product as the prime coat. *All additional coats must be applied Without adding water.
- Application is by brush. roller or spray.
- Apply to clean sound surfaces.
- This system will adhere to both damp and green concrete.
- Cleaning is with water initially; thereafter MULTI THINNERS 1601. Once material has cured it may not be removed.
- If humidity is > 80% forced ventilation must be used.
- Local areas of high humidity may affect the curing of the paint film
- For optimum results at IOW temperature or high humidity forced ventilation should be used.

Watchpoints

- Handle with care and apply in well ventilated areas only,
- Clean all equipment immediately after use with clean water
- In case of eye contact. flush eyes immediately with clean water and obtain medical assistance

Packaging

Supplied in 5 litre and 10 litre kits.

Quality Assurance

Pasiffire SD Projects (Pty) Ltd production and testing programmes comply with all local and international testing standards

Updates: This data sheet supersedes all previous issues prior to this date: 31/05/97.