SUNANDA
SPECIALITY COATINGS PVT.LTD
AN ISO 9001:2008 COMPANY

TECHNICAL DATASHEET

SUNEPOXY PAINT

EPOXY PAINT FOR CHEMICAL AND CORROSION RESISTANCE APPLICATIONS

DESCRIPTION

SUNEPOXY PAINT is two component high build epoxy finish paint to provide a durable coating, suitable for application to both vertical and horizontal surfaces. It cures to form a smooth film with good resistance to a wide range of mineral and organic acids, alkalis, fats and oils. It protects steel from corrosion and is especially effective in environments with high chlorides.

USES

- Hygienic and chemical resistant coating for steel, concrete, concrete and metal columns, RCC Bridges etc.
- Anti - corrosive and chemical resistant coating over steel reinforcement of structural steel members.

ADVANTAGES

- Abrasion resistant film.
- Excellent chemical and solvent resistance.
- Excellent adhesion to many surfaces.
- Equally effective on concrete or metal substrate.

PROPERTIES

Base	Two component epoxy resin
Appearance	Select Industrial Shades
Mixing ratio	Base : Curing agent 4 :1 (by volume)
Finish	Semi Gloss
Application	By brush or spray
Volume solids	60 ± 5
Pot life at 25°C	4 - 6 Hours
Dry film thickness/Coat	75 - 100 micron
Drying characteristics:	
Surface dry	4 - 6 hours
Hard dry	16 hrs
Overcoating	4 - 6 hours
Full cure	1 week
Coverage (Theoretical)	6 - 8 sqm /litre at desired DFT
Shelf life	1 year in tightly sealed container
Packing	20 ltrs HDPE containers
Cleaning	Thinner

CHEMICAL RESISTANCE

- SUNEPOXY PAINT is formulated specially to provide the highest chemical, corrosion and carbonation resistance.
- At elevated temperatures or where mixtures of chemicals are involved then the effects may be different than those found in laboratory tests.
- It can be modified to suit specific requirements.

INSTRUCTIONS FOR USE

Surface Preparation

- Apply SUNEPOXY PAINT to sound, clean dry substrates in order to achieve maximum adhesion between the coating and substrate.
- Remove all surface contamination and loose material.
- Grit blast or water jet any grease and oil.
- Remove deeper penetration by mechanical means.
- Remove any laitance from concrete surface, then wash it off.
- For better results, treatment with rust passivator RUSTICIDE is recommended.
- Dry the surface completely.
- If surface is new concrete, cure it for at least 28 days prior to coating.
- Sand blast is recommended for steel surfaces to achieve a clean surface.

Mixing of priming coat

- SUNEPOXY PAINT has a 4:1 resin: hardener volume based ratio
- Mix one batch at a time.
- Mix the materials thoroughly using a slow speed stirrer.
- Flame proof or air driven drill fitted with a mixing attachment may be used.

Priming

- The first coat of SUNEPOXY PAINT works as a priming coat.
- Apply the mix by brush as the priming coat.

Application

- After primer has surface cured, prepare the paint mix as in priming coat and apply two additional coats of SUNEPOXY PAINT at an interval of 6 - 8 hours.

Precautions

- Prepare priming coat, additional coats in small quantities that can be used within half an hour.
- Surface must be completely dry prior to application of SUNEPOXY PAINT.

HEALTH & SAFETY

- Some people are sensitive to epoxy resin systems and may develop dermatitis on skin contact.
- Use gloves and barrier creams while handling SUNEPOXY PAINT.
- If contact with the skin occurs, wash with soap and plenty of water.
- Direct contact with eyes will cause irritation and may cause serious damage if left untreated. Wash any eye contamination thoroughly with plenty of water. Immediately seek medical treatment

FLAMMABILITY

- SUNEPOXY PAINT is flammable.
- Ensure adequate ventilation when using primers and solvents.
- Do not use near a naked flame.

CLEANING

- Clean the tools and equipment with thinner immediately after use.

QUALITY ASSURANCE

All products are manufactured under a Quality Management System for Design, Manufacturing and Selling of Construction Chemicals as per the standards of ISO 9001: 2008.