

SUNEPOXY 358

TWO COMPONENT HIGH VISCOSITY EPOXY RESIN

SUNEPOXY 358 is select epoxy resin specially formulated to provide a durable coating suitable for application to both vertical and horizontal surfaces. It cures to form a smooth hygienic film with good resistance to a wide range of mineral and organic acids, alkalis, fats and oils.

USES

- Corrosion protection of steel, reinforcement steel and repair mortar.
- Bond coat for old and new concrete, concrete and steel surface.
- Hygienic and chemical resistant coating for steel tanks, concrete walls, concrete and steel columns.
- Joints of metals, flooring screed.
- Chemical resistant linings etc.

ADVANTAGES

- Tough abrasion, chemical resistant film.
- Excellent adhesion to many surfaces including concrete or metal substrate

PROPERTIES

Color	: Clear
Pot life	: 1 hr. Approx.
Cure time	: 2-4 hrs.
Time between coats	: 3-5 hrs.
Initial hardness	: 18 hrs.
Full cure	: 5 days

CHEMICAL RESISTANCE

- SUNEPOXY 358 has been formulated specially to provide high chemical resistance.
- However, at elevated temperatures or where mixtures of chemicals are involved then the effects may be different than those found in laboratory tests.
- However it can be modified to suit specific requirements

INSTRUCTIONS FOR USE

SURFACE PREPARATION

- Surface preparation is very important in order to achieve maximum adhesion between the coating and substrate.
- Free the surface from loose material, grease and oil by grit blasting or water jet.
- Remove deeper penetrated material by mechanical means.
- Remove all laitance from the concrete surface, then wash it off .
- Dry the surface completely.
- If surface is new concrete, then cure it for at least 28 days prior to coating.
- Clean and make rust free all steel surfaces by shot-blasting.

MIXING OF PRIMING COAT

- SUNEPOXY 358 has a 2:1 resin: hardener volume based ratio.
- Mix one batch at a time. Pour half Kg of the hardener into One Kg Resin in a bucket.
- Mix the materials thoroughly using a slow speed (300-500 rpm) flame proof or air driven drill fitted with a mixing attachment.

PRIMING

- Apply the first coat of SUNEPOXY 358 mix by brush as the priming coat.

MORTAR PREPARATION & PLACEMENT

- Mix 2 Kg Resin +1 Kg Hardener+ 9-12 Kg Quartz Sand (Graded) thoroughly to homogeneity using a slow speed (300-500 rpm) flame proof or air driven drill fitted with a mixing attachment.
- While the priming coat is still wet and tacky, place the epoxy mortar in required thickness and level with trowel.

SEAL COAT

- Prepare a seal coat of SUNEPOXY 358 as explained in the mixing of priming coat. Apply this mix by a soft paintbrush over the mortar layer.

PRECAUTION

- Prepare priming coat, mortar and seal coat in small quantities that can be used within half an hour.

COVERAGE & YIELD

- 4.5 to 5 M² per Litre on a fairly smooth surface.
- 15 Kg of resin +hardener +quartz sand yields 10 Litre of mortar mix.

PACKING

- 1, 5, 20 Kg

STORAGE & SHELF LIFE

- 12 months when stored in a cool & dry place, away from direct sunlight, in original sealed packing.

HEALTH & SAFETY

- Use gloves and barrier creams while handling primers, and SUNEPOXY 358.
- If contact with the skin occurs, wash with soap and plenty of water.
- Direct contact with eyes may cause irritation. Wash thoroughly with plenty of water. Seek medical treatment.

FIRE

- SUNEPOXY 358 and xylene are flammable. Do not use near a naked flame
- Ensure adequate ventilation when using primers and solvents.

CLEANING

- Clean the tools and equipments with Xylene immediately after use.

DISCLAIMER

This information is accurate and reliable to the best of the knowledge. It is meant as a guideline only. Sunanda Speciality Coatings Pvt. Ltd. (SSCPL) cannot give any guarantees under any circumstances for the results, or assume any obligation or liability in connection with the use of this information. It is recommended that the product be tested to determine its suitability for specific applications. Since, SSCPL has no control over how others may use its products; it is recommended that the Specifier, Architect, Engineer, Contractor and Owner assume all the responsibilities in connection therewith.