



ENIPOXY-SF 300

100% SOLVENT FREE EPOXY FLOOR COATING

DESCRIPTION

ENIPOXY-SF 300 is a solvent free system based on high molecular weight epoxy resin cured with specially formulated hardeners to form a hardwearing chemical and abrasion resistant floor topcoat. The system consists of pre-weighted pigmented base and hardener component. **ENIPOXY-SF 300** is a 100% reactive, solvent-free, two components, high build; polyamine cured epoxy coating. This system has excellent chemical and abrasion resistance.

ADVANTAGES

ENIPOXY-SF 300 provides a crack free heavy-duty floor; it is anticorrosive in nature, helps structure to prevent corrosion and abrasion.

RECOMMENDED USES

- **ENIPOXY-SF 300** is Primarily designed as a heavy-duty concrete floor coating in industrial and commercial plants.
- Can be used as a rust preventing coating for concrete and steel tanks and other surfaces
- As a heavy-duty abrasion resistant coating on steel exposed to abrasion.

TECHNICAL DETAILS

Colour	All standard colours
Gloss	Semi Gloss / Glossy
Solids by volume	100%
Pot Life	20 minute @ 30°C
Cure Time	18 hours @ 30° C
Over coat Interval	18 hours @ 30° C
Light traffic after Full Cure	18 hours @ 30° C
Flash point	36 hours @ 30° C 50° C

SURFACE PREPARATION

For New Concrete:

These should normally have been placed for at least 28 days and have moisture content of less than 5%. Floors should be sound and free from contamination such as oil and grease, mortar and paint splashes or curing compound residues. Excessive laitance can be removed by the use of mechanical methods. Dust and other debris should then be removed by vacuum cleaning.

For Old Concrete:

A sound, clean substrate is essential to achieve maximum adhesion. As for new concrete floors dry removal of laitance by use of mechanical methods is preferable. Oil and grease penetration should be removed by the use of a proprietary chemical degreaser or by hot compressed air treatment.

METHOD OF APPLICATION

Priming

Concrete should be primed with **ENIPOXY PR**. **ENIPOXY PR** should be mixed in the proportions supplied. Add the entire contents of the hardener can to the base can. Mix it using a slow speed drill and paddle, the primer should be applied in a thin continuous film, using rollers or stiff brushes. Prime the surface carefully to avoid ponding or over application. The primer should be left to achieve a tack-free condition before applying the topcoat. A second coat of primer may be required if the substrate is excessively porous.

Mixing the coating

The base and hardener components of **ENIPOXY-SF 300** should be thoroughly stirred to mix. The entire contents of the hardener container should be poured into the base container and the two materials mixed thoroughly, then add the Pigments of desired colour and mix for at least 3 minutes.

Standard application

The first coat of **ENIPOXY-SF 300** should be applied using a good quality medium haired pile roller.. A minimum film thickness of 200 microns should be applied. This can be increased where specifications demand. Allow base coat to cure (18 hours @ 30°C or 12 hours at 40°C). The topcoat can be applied by medium haired roller, at minimum Dry film thickness of 250 microns.

SAFETY

ENIPOXY-SF 300 is safe, non-toxic, and eco-friendly and presents no health hazard. As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles

INHALATION: Inhalation of vapor or mist should be avoided. Symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency

EYE CONTACT: Flush eyes with water for 15 minutes and call for medical help.

INGESTION: causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce

SKIN CONTACT: Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

STORAGE

Minimum 18 months in unopened container. Store away from sunlight and preferably below 30°C.

PACKING

ENIPOXY-SF 300 is pre-packaged.

Note: -All information is given in good faith on the results gained from experience and tests. However all recommendations of suggestion are made without guarantee since we do not have any control on the site conditions and its uses.

Technical Support:



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CN-07468396
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