



# ENIPOXY SL 301

## SELF-LEVELING EPOXY BASED FLOOR TOPPING

### DESCRIPTION

ENIPOXY SL 301 is specially selected solvent free epoxy system for new and old concrete floor to provide a hard wearing, chemical resistant, impervious and easy to clean seamless floor topping. ENIPOXY SL 301 is a unique blend of polymer resins and special aggregates designed to level pitted and worn concrete floor quickly and easily. It has excellent chemical resistance and is flexible enough to withstand impact while remaining sufficiently strong to withstand industrial traffic. It is a 100% reactive system totally free of solvents.

### ADVANTAGES

- Flow able consistency for self-leveling application.
- Solvent free formulation ensures low odor during application.
- Bonds tenaciously to become an integral part of the floor.
- Easy application and easy to maintain.
- Excellent chemical resistance.
- Cures to form a dense, impervious seam free continuous surface.
- Available in a wide range of colors.

### RECOMMENDED USES

- Pharmaceutical industries
- Chemical plants
- Manufacturing plants
- Warehouses
- Showrooms
- Auto/truck repair bays
- Laboratories
- Hospitals

### TECHNICAL DETAILS

Compressive strength	50 N/mm <sup>2</sup>
Flexural strength	35 N/mm <sup>2</sup>
Tensile strength	17 N/mm <sup>2</sup>
Pot life at 70deg. F (24 <sup>o</sup> C)	20-40 minutes
Film thickness	minimum 1.5 mm
Flexibility	Excellent
Abrasion resistance	Excellent
Weathering	Good
Solid content	100%

### COVERAGE

27 kg. Pack covers 9m at 2000 microns thickness.

### SURFACE PREPARATION

Concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surface can be prepared mechanically using sandblasting, shot blasting or scarifier, which will give a slight surface profile. The final step in cleaning should be complete removal of all residues with a vacuum cleaner or by pressure washing. Prior to application, the surface should be pre-soaked with clean water, excess standing water should be removed.

### METHOD OF APPLICATION

#### PRIMING:-

The prepared substrate shall be primed with ENIPOXY PR before applying ENIPOXY SL 301. Where the substrate is observed to be porous, it shall be primed again and paddling of the primer shall be avoided. The primer shall be allowed to dry "tack free", before laying ENIPOXY SL 301.

NOTE: -Application of ENIPOXY SL 301 shall not be delayed more than 24 hours after priming the substrate.

## LAYING OF SELF-LEVELING EPOXY FLOOR:-

### Mixing

ENIPOXY SL 301 comprises three components, base resin, hardener and filler. The hardener shall be poured into the base resin in the mixing for 3-5 minutes to achieve a uniform consistency. The areas to be laid shall be marked for every one to two packs to achieve a uniform thickness as recommended. For large areas, planning of laying sequences is essential. The technical department of STAR can be contacted for more information.

### LAYING:-

Continues placement of an adequate quantity of material is necessary to provide the most uniform and level surface. Start in one corner and place a continuous stream of material along one edge of the area and back up the first placement strip as soon as possible to achieve a uniform, level surface. A serrated trowel shall be used to spread the material to achieve the required thickness. Wait for a few minutes and then use a spiked roller to back roll the material to disperse any entrapped air to further level the material light rolling may then be required if air release is still apparent in the surface. The rolling can be continued until the roller marks take two minutes to disappear.

## SAFETY

ENIPOXY SL 301 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

Pre-packed pails available as per requirement.

**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:



& Polymertech UK Ltd.  
CN-07468396  
United Kingdom

**NOTE:-** We make no warranty either expressed or implied or statutory in this document except as expressly stated in any sale and purchase agreement entered into between the buyer and us. This document is a technical data information sheet. The information given in this sheet is to the best of our knowledge, true and accurate. However buyers are requested to confirm the same in their laboratories as test results may vary between two laboratories due to change in test conditions, purity of chemicals and personal error of chemists. Under the above conditions we are not liable for special, incidental or consequential damage.

**For further assistance kindly mail us :** support@starcoating.in

**Marketed By:**



**Star Coatings & Membranes Pvt. Ltd.**

New Delhi-110025, visit us at : [www.starcoating.in](http://www.starcoating.in), E-mail: [info@starcoating.in](mailto:info@starcoating.in)



(ISO 9001:2000)