



SL 4000 AS

Anti-Static floor system

Substrate: Constructive concrete at least 28 days old, completely dry – the humidity capacity is up to 4%, the compression strength is 30Mpa smoothed, straightened and free of cracks.

Environment: To use where floor is required to discharge static electricity. Industrial environment for medium to heavy loads, handling of forklifts with rigid wheels up to 5 tons. Resistance to diluted acids, oils, fuels. Can be in smooth / anti-skid finish.

System characteristics: An anti-static epoxy coating system consisting of an insulating layer of epoxy from the substrate floor, copper strips, epoxy primer coating and conductive epoxy primer

Surface preparation: Mechanical preparation, shot-blasting, diamond grinding for obtaining a contaminant free surface without cement water, unstable parts and dust. On the surface of the concrete obtaining a clean and stable purposive top profile that enables the proper absorption of the foundation primer.

System component	Layer No	Dry Film Thickness (microns)	Waiting period between the layers at 25°C	Shade	Gloss	Comments
Filling work stitches, constructive stitches and cracks in flexible SL-300FLEX epoxy mass, apply a 30% epoxy transparent epoxy primer with volume dilator						
SL200	Base	250-350 gr/m ²	24 hours	Clear or according to request	Glossy	
Filling holes and cracks of local foundation reparations						
SL300 - anti-static	Primer	1Kg/m ²	24 hours	According to request		
After drying, gluing copper strips at a thickness of 0.30 mm on top of the lead layer, about 2 meters long every 50 meters, with a vertical rise on the walls for future connection to ground strips						
SL400 - anti-static	Top	4.5Kg/m ²		According to request		

Please note that the use of "Epolac's" products must strictly comply with the instructions on the last page.

* The recommendations provided on this page are based solely on theoretical laboratory calculations, provide general information and constitute an initial basis for choosing proper coating system. Practical data in the field, such as surface preparation, number and thickness of applied layers, weather conditions, environment, affects on coating's duration. Epolac company is not responsible for the systems which are not implemented according to the technical data/instructions and under the guidance of the Epolac.

Instructions & notes:

- All information provided below is mandatory and applies to all products / system. "Epolac" company is not responsible for any damage caused due to non-compliance with the instructions in this manual.
- Please read the safety instructions in the product data sheet
- Please read the instructions on the product packaging.
- Do not paint construction within the expected rainfall period, which can lead to incomplete drying of the coating.
- The coating of metal constructions should be carried out at a temperature of 10-40 °C
- Do not paint at temperature below 10 C ° and humidity above 85%
- The coating process should occur at a temperature of at least 3°C above the dew point.
- All specified thicknesses are nominal, as defined in ISO 12944-5.
- At the painting of metal constructions, the specified drying time between layers is calculated at a metal temperature of 10-40 C °
In case of different temperatures please contact us.
- Applying the coating please ensure that air comes without oil and water
- Applying the coating, spray conditions (wind, distance from the gun etc) should be adjusted to the maximum reduction of excess pressure.
- All paints / coatings are intended for professional use only.
- Do not use materials not recommended by "Epolac" company in writing.
- It is recommended to keep a log of work, including environmental conditions (temperature, humidity, etc.), surface preparation, materials, mixing ratios, preparation and application, thickness, drying time etc.
- "Epolac" does not provide supervision / control services. "Epolac" could conduct the instruction of clients and executors.
- ISO12944 regulates that durability is not guarantee time and should be considered as the coating life time to the first major maintenance.
- Coated steelwork should be protected to prevent prolonged contact with water (ponding)
- STRIPE COAT edges, welds due to difficult access in order to ensure full film thickness. Apply an additional layer of STRIPE COAT with a minimum dry film thickness of 60µm. The application of the STRIPE COAT layer takes place 16-24 hours after the previous layer has dried. The application of the next layer on top of the STRIPE COAT layer takes place 1-2 hours after.
- For any technical questions please contact our technical service: +972-4-6518851.