

## ESD Antistatic Self-Leveling Epoxy Coating



### Product Overview

It is a solvent-free, self-leveling, epoxy-based flooring coating material characterized by high mechanical strength and chemical resistance.



### Application Domains

- In aviation hangars,
- In automotive manufacturing facilities,
- In the healthcare sector, laboratories and painting studios,
- In laboratories focused on electrical and electronics engineering,
- It is applicable in environments where flammable materials are stored or utilized, even at low temperatures.



### Technical Specifications

|                                     |                                                                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Mixture Density                     | 1.45-1.55 g/cm <sup>3</sup> 20°C TS EN ISO 2811-1                                                                                               |
| Homogeneous Mixture                 | By weight: 100 / By volume: 100                                                                                                                 |
| Shore D (7 days)                    | 85- ASTM D 2240, DIN 53505                                                                                                                      |
| Application Reducer                 | Not diluted                                                                                                                                     |
| Blending Proportion                 | By weight: A/B: 87/13                                                                                                                           |
| Electrical Conductivity Measurement | 10 <sup>6</sup> W / 10 <sup>7</sup> W                                                                                                           |
| Drying Duration                     | Dust Drying Time: 3-4 hours at 23°C (TS 4317)<br>Touch Drying Time: 10-12 hours at 23°C (TS 4317)<br>Full Drying Time: 7 days at 23°C (TS 4317) |

The information presented in this technical data sheet is derived from experimental results. The responsibility for the proper application of our original product rests with the user. Our company is solely accountable for the product's quality. This data sheet supersedes the information provided in the previous version. Our company reserves the right to amend any information contained within this data sheet.



### Advantages

- It demonstrates exceptional resistance to chemicals.
- It exhibits resistance to friction and wear.
- It enables the static electricity generated on the surface to reach the conductors in the lower layer and subsequently flow to the ground.
- It produces a flawless surface.
- It is simple to maintain cleanliness and uphold hygiene.
- It necessitates minimal maintenance over an extended duration.
- It is straightforward to implement.
- It is free of solvents.



### Surface Preparation

Weak areas on the surfaces designated for treatment should be eliminated through milling, sandblasting, or grinding. In cases where the surface exhibits a high gloss, it should be textured via milling or sandblasting to enhance the specific surface area. If oil is present on the surface, it must be incinerated, and any dirt and dust should be extracted through vacuuming.



### Application Details

The prepared surfaces are primed with CLASS EPX-110. No later than 24 hours following the primer application, copper busbars are affixed to the ground, with at least one positioned in each x and y direction for every 100 m<sup>2</sup>. After confirming physical contact between them, CLASS EPX-150 is applied using a trowel and subsequently rolled with a roller in accordance with the specified consumption rate. Following a one-day interval, CLASS EPX-330 is applied with a trowel. Finally, gas bubbles are eliminated using a spiked roller, and the surface is allowed to dry.

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### Consumption

1.5 kg for a thickness of 1 mm.



### PACKAGING

A/B/ : 16,4 + 3,6 = 20 kg set



### Shelf life

It must be safeguarded against unfavorable weather conditions. It should be kept in a dry, cool, and sealed environment (between +10 °C and +25 °C). Once opened and mixed, the product should be consumed promptly. In its unopened packaging, it has a shelf life of 12 months when stored in a dry location at a minimum temperature of +5 °C.



### Attention

- In applications conducted in enclosed spaces, the environment must be adequately ventilated.
- In cold weather, packaging should be maintained at a minimum temperature of +15°C for no less than 24 hours before application.
- Following application, the surface must be safeguarded against water, rain, dew, snow, hail, frost, and comparable weather conditions until it is entirely dry.
- Avoid using open flames and refrain from smoking during application.
- Don appropriate gloves, goggles, and protective attire.
- In the event of skin contact, cleanse thoroughly with soap and ample water.
- Do not ingest, do not utilize empty packaging for food storage, and do not dispose of in fire.
- For professional use exclusively. Keep out of children's reach.