StenCoat® 2EP CC

1. Product Profile

StenCoat® 2EP CC is a two-component epoxy based conductive coating. It is designed to provide a seamless conductive top or mid coat in antistatic electrical grounding systems. It has high surface and volume conductivity. It is resistant to weak organic acids and bases. StenCoat® 2EP CC prevents dusting of, wetting of and water permeation to the surface and increases its resistance to dirt pickup and oxidation.

StenCoat® 2EP CC is available in 20 kg sets.

Antistatic Epoxy Coating

Highlights

- High conductivity
- Self-leveling
- Solvent free
- Suitable for thick coatings
- Improves safety in work environment
- Easy to clean
- Long lasting

2. Uses

StenCoat® 2EP CC used to create a floor that will not allow the accumulation of static electricity in factory floors, fuel tanks and areas where flammable gases, explosive materials, sensitive electronic materials are produced, transported or stored. It is preferred in areas where high-thickness antistatic coatings needed or where static electricity discharge must be very fast.

StenCoat® 2EP CC can also be used as a paint on metal surfaces. Electrical load of the paint creates a threat to work safety, especially in places where there are flammable and explosive gases such as the inside of the fuel tank. Using a conductive paint, grounds this electrical load.

3. Surface Preparation

Application surfaces must be clean and dry. Surface temperature must not be over 40°C. StenAst® 2EP CC should be used as the primer on antistatic coating systems.

4. Application

It is helpful to keep the materials at 20-30°C for one day before the application date. During the application, surface and ambient temperature must be minimum 15°C and the temperature must not drop below 15°C for the 24 hours following the application.

StenCoat® 2EP CC is prepared for the application by mixing the two components. The components are packaged as they will mix at right proportions when one container from each is mixed. In cases where one complete package cannot be used, the package must be weighed and proportioned, and the mix ratio stated on the package must be observed. Component B is added into the container of component A and they are mixed for 3-4 minutes at 300-500 revolution. The mixed material should be poured into another container and transferred to application area. Pouring on to application surface from mixing pot should be avoided. Mixed material must be used within the pot life and thickened materials must not be thinned and used.

StenCoat® 2EP CC is applied by trowel or roller. The application on the concrete surfaces can be single or double coat, 900-1500 gr of material typically used per each square meter per coat. It is advised to begin placement of copper grounding system while the first coat is still wet and apply the second floor 2- 8 hours later.

Grounding resistance and surface resistance, should be measured at least 7 days after the establishment of the system.

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5. Cleaning

Equipment used can be cleaned at the end of the job with StenSolver EP.

6. Safety

Applicators and supervisors must read Material Safety Data Sheet (MSDS) carefully and observe the considerations written therein. The application must be carried out by skilled workers under supervision of experts and the applicators must use all kinds of protective equipment required for the worksite and the task such as goggles, mask and gloves.

Emptied packages must be handled in compliance with relevant regulations and laws.

7. Storage

The material must be kept away from sunlight in dry indoor storage. Recommended storage temperature is 10-30°C. Stored in these conditions, the shelf life of unopened containers are 12 months.

8. Company Liability

The information contained in this document is based on site experience of and laboratory tests done by Stenkim® and meant to give general information. It is the purchaser's responsibility to ensure applicability of products to their use. All Stenkim® products are available in specified quality and conditions. The company accepts no liability whatsoever unless the transportation, storage, application conditions and customer use are overseen by Stenkim®.

Stenkim® reserves the right to update all information contained in this document without notice.

9. Technical Data

Properties	Method	Results
Base Polymer		Epoxy
Solid Content % (A+B)		100
Color		Color Catalog
Density		1.38 ± 0.05 g/cm^3
Application Thickness, at each layer		700-2500 microns
Electrical Resistance	ASTM F-150 (200 microns, surface)	<1 kohm
Specific Electrical Resistance	ASTM D-257	50-100 ohm.cm
Abrasion Resistance	ASTM D4060 CS17/1000 rev/1 kg	180 mg
Adhesion	ASTM-D 4541 (on stainless steel)	>750 psi
Pot Life of the Mixture @ 23 °C		30 minutes
Tack Free Time @ 23 °C		2 hours
Complete Cure Time @ 23 °C		7 days

Stenkim® reserves the right to make changes in the values in this table at any time.

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