

1. Product Profile

StenAst® 2EP CC is a two component, solvent free, antistatic epoxy primer. Forms a conductive layer between grounding equipment and top coats. Prevents errors that causes insulating areas in coating, such as breaking and cracking that may occur in the top coating, or any non-contact that may occur in the equipment connected to the ground line. It is semi-thixotropic. It is not affected by moisture, fuels, oils, inorganic acids and diluted bases.

StenAst® 2EP CC is available in 15 kg sets.

2. Uses

StenAst® 2EP CC used with StenCoat® 2EP CC 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. It is suitable for horizontal, sloped and vertical applications.

StenAst® 2EP CC can also be used as a paint primer 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. The material itself is used as primer on metal surfaces and in applications where static electricity will be grounded. StenAst® S is used in seamless floor systems where static electricity will be distributed. StenAst® 2EP is used for applications on porous coatings such as concrete, plaster, etc.

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.

Epoxy Based Antistatic Primer

Highlights

- High conductivity
- Solvent free
- Low viscosity
- Ideal for places where static electricity accumulation may occur
- Can be used as a paint primer
- Improves work safety

StenAst® 2EP CC is prepared for the application by mixing two components. The components are packaged as they will mix at right proportions when one container from each is mixed. First component A is homogenized for 1-2 minutes. Component B is poured into the vortex that forms in the container of component A and they are mixed for 3-4 minutes more in low speed. Low speed drill is used for mixing. Manual mixing of the components is not sufficient. The material may not (partially) cure due to insufficient mixing. There must not be unmixed material left on the walls of the container or at the bottom. Mixed material must be used within the pot life and thickened materials must not be thinned and used.

StenAst® 2EP CC is applied by trowel or roller in one or two layers with 150-300 g/m² at each layer. In conductive and antistatic floor applications, it is recommended to place a copper reinforcement on it while the material is still liquid after one layer is applied, and the second layer should be laid on this system after 2-8 hours.

Ground resistance and surface resistance measurements should be made at least 7 days after the application

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	Results
Base Polymer	Epoxy
Solid Content % (A+B)	100
Color	Catalog
Density	1.15 ± 0.05 g/cm ³
Application Thickness, at each layer	150-250 microns
Pot Life of the Mixture @ 23 °C	30 minutes
Tack Free Time @ 23 °C	2 hours
Complete Cure Time @ 23 °C	2 days

[Stenkim®](#) reserves the right to make changes in the values in this table at any time.