

## 1. Product Profile

**StenCoat® 2EP 510** is a heavy and medium duty type, elastic, self-leveling, seamless floor coating. It is a system which consists of solvent free epoxy resin, pigments and solid fillers. **StenCoat® 2EP 510** forms a seamless long lasting and reliable coating system resistant to abrasion, penetration and chemical effects. It is resistant to organic and inorganic acids and alkalis, oils, fuels and antifreezes and many chemicals.

**StenCoat® 2EP 510** is available in 20 kg sets.

## 2. Uses

**StenCoat® 2EP 510** is used at chemical process areas, wet and dry areas at food preparation places, clean rooms, beverage facilities, water filling facilities, cafeterias, medium service-based businesses, maintenance repair workshops, printing houses, social spaces, offices, waiting rooms, clinic rooms. **StenCoat® 2EP 510** is suitable for concrete, terrazzo, ceramic, steel and other metal surfaces and water-resistant plywood surfaces at these places.

## 3. Surface Preparation

Application surfaces must be clean and dry. Surface temperature must not be over 40°C. Relative humidity of the floor must be less than 75%.

Material itself or **StenAst® 2EP** can be used as primer at clean concrete floors. 0.2- 0.4 kg **StenAst® 2EP** is applied depending on the roughness of the surface. However, it is helpful to apply first **StenAst® S** in order to increase adhesion thoroughly. Approximately 50 g/m<sup>2</sup> of **StenAst® S** is consumed. Within maximum 30 minutes after the application of the **StenAst® S**, the floor becomes ready for the application of the top layer. **StenAst® 2EP** cures for 3- 6 hours after it is applied and when it is still adhesive, actual coating is applied. If another type of primer required by surface characteristics will be used, application instructions of the primer must be followed.

## 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 Heavy-Medium Duty Floor Coating

### Highlights

- Self-leveling
- Solvent free
- Highly resistant to abrasion and chemicals
- Long lasting
- Forms a hygienic surface
- Catalog colors are available

**StenCoat® 2EP 510** 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. 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 510** is applied by trowel and roller. The surface texture depends on the application method, and if a roller is used, the type of roller. When used directly on concrete or a similar surface, the application can be single or double coat, 1400-2800 g of material typically used per each square meter. As it is solvent-free, it can be applied as thick as desired

# StenCoat® 2EP 510

Former name: StenFloor 5100



## 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		1.55 ± 0.05 g/cm <sup>3</sup>
Application Thickness		Min 0.5 mm
Durometer Hardness	ASTM D2240	D 75 ± 0.5
Abrasion Resistance	ASTM D4060 CS17/1000 rev/1 kg	192 mg
Elongation at break	ASTM D 412 Die B	0.2 %
Impact Resistance	ASTM D 2794, 1meter, 2kg	>200 kg/cm (No Damage)
Adhesion	ASTM-D 4541 (on concrete)	> 5.48 N/mm <sup>2</sup> (concrete failure)
Pot Life of the Mixture @ 20 °C		45 minutes
Tack Free Time @ 20 °C		3 hours
Cure Time for Light Trafficability @20°C		24 hours
Cure Time for Heavy Trafficability @20°C		3 days
Cure Time for Chemical Resistance @20°C		7 days

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