

1. Product Profile

StenCoat® 2EP 211 is a two-component epoxy based, thixotropic decorative floor coating and paint. It has high slip, excellent abrasion resistance and low dirt pickup. It can be used as an economical floor coating on concrete floors. It is resistant to weak organic acids and bases, detergents, disinfectants, hydraulic fluids, many solvents and fuels.

StenCoat® 2EP 211 prevents dusting of, wetting of and water permeation to the surface and increases its resistance to dirt pickup and oxidation. Catalog colors are available.

StenCoat® 2EP 211 is available in 20 kg sets.

2. Uses

StenCoat® 2EP 211 is used for improving appearance, skid reduction, abrasion resistance and chemical resistance of metal, concrete, masonry surfaces, screeds and floorings. Roughness of the surface texture can be adjusted according to the area of the application. Smoother textures preferred mostly at hygienic areas like hospital, restaurant and kitchen floors and, rougher textures at inclined surfaces at industrial floors, parking lots and slippery areas like sides of swimming pools and bathrooms. The coating can be used at sloped, horizontal and vertical surfaces.

Surfaces coated with **StenCoat® 2EP 211** are easily cleaned, easily dried and does not create dust. Coating preserves its color, elasticity and abrasion resistance for a long time. It covers cracks, joints and surface irregularities.

3. Surface Preparation

Application surfaces must be clean and dry. Surface temperature must not be over 40°C. On seamless floorings, glass surfaces and in case of continuous water contact **StenAst® S** should be used as the primer. On concrete, plaster and similar porous or absorbent surfaces **StenAst® 3EP** should be used. For other types of surfaces **StenAst® 2EP** should be used. The application temperatures mentioned in the user manual of the primer must be observed.

Epoxy Based Thixotropic Floor Coating

Highlights

- Decorative, textured surface
- Skid reduction
- Solvent free
- Highly resistant to abrasion and chemicals
- Long lasting
- Forms a hygienic surface
- Can be applied at vertical, horizontal and inclined surfaces
- Adheres perfectly to concrete and steel surfaces.
- Catalog colors are available

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 211 is prepared for the application by mixing two components. For a smoother surface and easier application, it can be thinned with **StenSolver EP**. Up to one part of thinner per ten parts of material can be used. **StenSolver EP** must be mixed with A component, before the B component is mixed in. 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 211 is applied by spraying or manually by brush and roller. The surface texture depends on the application method, and if a roller is used, the type of roller. The application on **StenFloor®** brand floorings can be single or double coat, 150-250 g of material used per each square meter per coat. When used directly on concrete or a similar surface, the application can be double or triple coat, 300-500 g of material used per each square meter per coat.

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		1.65 ± 0.05 g/cm ³
Application Thickness, at each layer		200-500 microns
Abrasion Resistance	ASTM D4060 CS17/1000 rev/1 kg	140 mg
Adhesion	ASTM-D 4541 (on epoxy floorings)	370 psi
Adhesion	ASTM-D 4541 (on concrete)	>740 psi (concrete failure)
Adhesion	ASTM-D 4541 (on stainless steel)	>1500 psi
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.