

1. Product Description

StenCoat® 2EP 205 is a two-component, epoxy-based, non-sag decorative floor paint. It has high abrasion and chemical resistance. It can be used as an economical coating on concrete floors either on its own or as a topcoat over StenCoat® floor coating systems.

It is resistant to weak acids and bases, detergents, disinfectants, hydraulic oils, many solvents and fuels. **StenCoat® 2EP 205** reduces dusting, wetting, and water penetration, and increases the surface's resistance to soiling and oxidation.

2. Uses

StenCoat® 2EP 205 is used on concrete and metal floors, on top of mortar-type or self-leveling seamless floor coatings, to improve abrasion resistance, slip resistance and chemical resistance of the surface and to give it a decorative appearance. Its non-sagging consistency allows the surface texture to be adjusted easily for the intended application. This makes it suitable both for creating low-roughness, easily cleaned hygienic surfaces in places such as hospitals, restaurants and kitchens, and for creating high-roughness, highly slip-resistant, safe surfaces on ramps in parking areas and industrial floors, and on wet areas such as pool surrounds and bathrooms.

It can be used in horizontal, sloped, vertical and overhead applications. Surfaces coated with **StenCoat® 2EP 205** are easy to clean, dry quickly, and do not generate dust. The coating retains its color, elasticity and abrasion resistance for a long time. It covers the cracks, defects and joints in the floor.

3. Application

3.1. Surface Preparation

Application surfaces must be clean and dry. Surface temperature must not exceed 40 °C. On seamless floor systems, glass surfaces and concrete floors in constant contact with water, the surface must be primed using **StenAst® S**; for all other applications, the surface must be primed using **StenAst® 2EP**. The time periods specified in the user manual of the primer used must be observed.

3.2. Application

It is recommended to condition the materials at 20-30 °C for one day before application. During application, surface and air temperature must be at least 10 °C and the temperature must not drop below 10 °C for 24 hours following the application. **StenCoat® 2EP 205** is ready for application when components A and B are mixed.

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 added to component A at the beginning of the process, before component B is mixed in.

The components are packaged so that one container of each yields the correct mixing ratio. In cases where a complete package will not be used, the package must be weighed and proportioned; the mix ratio stated on the

Thixotropic Epoxy Floor Coating

Highlights

- Epoxy-based, thixotropic floor and wall coating
- Decorative; the desired surface texture can be achieved
- Creates a hygienic, clean, and durable seamless floor
- Ideal for vertical, sloped and overhead applications
- Highly resistant to abrasion and chemicals
- Easy to clean
- Provides good adhesion to all types of substrates
- High chemical resistance and long service life
- Available in catalog colors



package must be observed. Component B is poured into the container containing component A and the two components are mixed for 3-4 minutes at 300-500 rpm until they become homogeneous.

Avoid entraining air into the mixture. Mixed material must be used within the pot life. Material that has begun to thicken must not be diluted for reuse.

StenCoat® 2EP 205 is applied by spraying or by brush and roller. The desired surface texture depends on the method used and, if a roller is used, the type of roller. When used as paint over StenCoat® brand products, it is applied in one or two coats at 350-500 g of material per square meter per coat. When used as a standalone coating on concrete or similar surfaces, it is applied in two or three coats at 400-700 g/m² per coat.

3.3. Cleaning

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

4. Safety

Applicators and supervisors must read the Safety Data Sheet (SDS) carefully and follow the instructions provided. Emptied packages must be disposed of in compliance with relevant regulations and laws. The application must be carried out by skilled workers under the supervision of experts and the applicators must use all personal protective equipment required for the worksite and the task such as goggles, mask and gloves.

5. Storage

Storage temperature must be between 5 and 30 °C. Packages must not be exposed to direct sunlight. Under these conditions, the material will retain its properties in unopened containers for 12 months from the production date.

Low temperatures may cause crystallization of the product; in this case, the product can be used after being warmed to +20 °C and homogenized. After prolonged storage, the product must be stirred thoroughly before use.

6. Disclaimer

This document is provided for general information and is based on **Stenkim®**'s laboratory data and field experience at the time of publication. **Stenkim®** reserves the right to revise this information without prior notice.

Stenkim® warrants that its products conform to the stated specifications on delivery. The buyer is responsible for determining the product's suitability for the intended purpose and for all conditions of transport, storage, application, and use. **Stenkim®** accepts no liability for results obtained under conditions outside its control. **Stenkim®**'s liability under this warranty is limited to replacement of non-conforming product and excludes any consequential or indirect damages.



7. Technical Data

Property	Method	Result
Base Polymer		Epoxy
Solids Content (by weight)		48% ± 5%
Color		Catalog
Density		1.54 ± 0.03 g/cm ³
Application Thickness (per coat)		200-400 µm
Adhesion Strength	ASTM D 4541 (on epoxy coating)	360 psi
Adhesion Strength	ASTM D 4541 (on concrete)	> 700 psi (concrete failure)
Adhesion Strength	ASTM D 4541 (on steel)	> 1500 psi
Abrasion Resistance	ASTM D 4060 H-18/1000 rev/1 kg	1670 mg
Pot Life @20 °C	EN ISO 9514	45 minutes
Tack-free Time @20 °C		4 hours
Full Cure Time		2 days
Shelf Life		1 year
Packaging		20 kg sets

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

