

1. Product Description

StenCoat® 2EP 180 is a two-component, epoxy-based 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 180** reduces dusting, wetting, and water penetration, and increases the surface's resistance to soiling and oxidation.

2. Uses

StenCoat® 2EP 180 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, to provide a decorative appearance, and to rehabilitate and renew the top layer of an existing floor. It can be used for hygienic purposes on floors of hospitals, restaurants and kitchens, for aesthetic and protective purposes in social facilities and shopping centers, and for the purpose of floor renewal and protection in industrial facilities, warehouses and hangars. Surfaces coated with **StenCoat® 2EP 180** are easy to clean, dry quickly, and do not generate dust.

The coating preserves its color 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. 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.

StenCoat® 2EP 180 is ready for application when components A and B are mixed. 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 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. Mixed material must be used within the pot life, and thickened material must not be thinned and reused. **StenCoat® 2EP 180** is applied with a trowel or roller.

Epoxy-Based Floor Coating Material

Highlights

- Solvent-free
- Highly resistant to abrasion and chemicals
- Easy to clean
- Creates a hygienic, clean, and durable seamless floor
- Good adhesion to all types of substrates such as concrete, steel and cementitious surfaces
- High chemical resistance and long service life
- Available in catalog colors



When used as a paint on StenCoat® brand products, application is done as one or two coats with 200-250 g of material per square meter per coat. When used as a standalone coating on concrete or a similar surface, it is applied in two coats at a total of 500-700 g/m². A period of 24 hours must be allowed between coats.

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.

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)	EN ISO 3251	100%
Color		Catalog
Density	EN ISO 2811-2	1.66 ± 0.03 g/cm ³
Consumption (per coat)		200-350 g/m ²
Hardness (Shore)	EN ISO 868	D82
Pot Life @20 °C		35 ± 15 minutes
Tack-free Time @20 °C		4 hours
Time to Open to Traffic @20 °C		48 hours
Full Cure Time @20 °C		1 week
Reaction to Fire Class (system)	EN 13501-1	Bfl-s1
Shelf Life		1 year
Packaging		20 kg sets

Stenkim® reserves the right to make changes to the values in this table at any time. *CE: CE marked in accordance with EN 1504-2 (PR-C) (DoP STN-PRC-2EP180-0002).*

