

1. Product Description

StenCoat® 2EPV 212 is an epoxy-based, two-component, decorative, transparent floor coating. Its enhanced UV resistance reduces color change compared with standard epoxy coatings. It has high abrasion and chemical resistance.

It is resistant to weak acids and bases, detergents, disinfectants, hydraulic oils, many solvents and fuels. **StenCoat® 2EPV 212** prevents dusting, abrasion, wetting and water permeation of the surface it protects, and increases its resistance to oxidation and soiling.

2. Uses

StenCoat® 2EPV 212 is a clear topcoat applied over StenCoat® seamless floor coatings to improve their chemical resistance and the surface's slip and abrasion resistance, without changing the coating's appearance. It also covers cracks and joints on concrete and metal floors, mortar-type floor coatings, and coatings such as wood, tiles, granite, marble, natural stone and similar, increasing the durability and extending the life of the coating. Surfaces coated with **StenCoat® 2EPV 212** are easy to clean, dry quickly, and do not generate dust.

The coating maintains its properties for a long time. In epoxy-based coatings, the color change caused by UV is reduced but cannot be completely prevented. For best results, **StenCoat® 2PUV 401**, 402 or 403, which is water-based and substantially blocks UV rays from reaching the epoxy surface, must be applied as a topcoat. **StenCoat® 2PUV 401**, 402 and 403 varnishes are available in gloss levels ranging from full gloss to full matte.

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**.

For primer application on different surfaces, consult **Stenkim®**. 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® 2EPV 212** is ready for application when components A and B are mixed.

For easier application and a smoother surface, up to one part **StenSolver EP** can be added to ten parts material. **StenSolver EP** must be added to component A at the beginning of the process, before component B is mixed in. The

Two-Component, Epoxy-Based Clear Coating with Enhanced UV Resistance

Highlights

- Self-levels and gives an even appearance
- Solvent-free
- Transparent; protects the surface on which it is applied without spoiling its appearance
- Covers floor cracks and joints in wood, tile, granite, marble, natural stone and similar surfaces
- Highly resistant to abrasion and chemicals
- Easy to clean, dries quickly and does not cause dusting
- Creates a hygienic, clean, and durable seamless floor
- High chemical resistance and long service life
- Enhanced UV resistance reduces color change



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. Because the product is transparent, observe the mixing time closely to ensure the components are mixed homogeneously.

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

StenCoat® 2EPV 212 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 applied as a coating on StenCoat® branded products, it is applied in one or two coats at 150-250 g per square meter per coat. When used as a standalone coating on concrete or a similar surface, two or three coats are applied at 300-500 g of material per square meter 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)		100%
Color		Transparent
Density	EN ISO 2811-2	1.11 ± 0.05 g/cm ³
Application Thickness (per coat)		200-500 µm
Abrasion Resistance	ASTM D 4060 H-18/1000 rev/1 kg	819 mg
Adhesion Strength	ASTM D 4541 (on epoxy coating)	360 psi
Adhesion Strength	ASTM D 4541 (on concrete)	> 740 psi (concrete failure)
Adhesion Strength	ASTM D 4541 (on steel)	> 1500 psi
Full Cure Time		7 days
Hardness (Shore)	EN ISO 868	D80
Pot Life @20 °C		50 minutes
Tack-free Time @20 °C		2 hours
Shelf Life		1 year
Packaging		15 kg sets

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

