

1. Product Profile

StenCoat® 2EPV 201 PLUS is a two-component epoxy based, transparent, decorative varnish. StenCoat® 2EPV201 is resistant to outdoor conditions. StenCoat® 2EPV201 is resistant to pool chemicals, weak acids and bases, detergents, disinfectants, fuel oil, hydraulic, etc. StenCoat® 2EPV 201 PLUS prevents dusting of, wetting of and water permeation to the surface and increases its resistance to dirt pickup and oxidation.

StenCoat® 2EPV 201 PLUS is available in 15 kg sets.

2. Uses

StenCoat® 2EPV 201 PLUS can be used on concrete, metal, plaster, wooden, granite, faience, natural stone and similar surface coatings to improve their chemicals and abrasion resistances without changing the appearance of the surface. It covers the joints and cracks of the surface. The surfaces coated with StenCoat® 2EPV 201 PLUS can be easily cleaned and does not chalk.

3. Surface Preparation

Application surfaces must be clean and dry. Substrate temperature should not be above 40°C. StenCoat® 2EPV 201 PLUS can be used on glass, faience, ceramic tiles, metal, tile and concrete surfaces without a primer. For applications on polymeric surfaces, the surfaces should be primed with StenAst® S.

4. Application

Keeping the materials at 20 – 30°C for one day before the application date facilitates the application. During the application, surface and ambient temperature must be minimum 10°C and the temperature must not drop below 10°C for the 24 hours following the application. The application should not be started if it is raining or there is a possibility to rain. 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.

StenCoat® 2EPV 201 PLUS is prepared for the application by mixing two components. The components are packaged as they will mix at right proportions when one

Epoxy Based Transparent Floor Varnish

Highlights

- Transparent
- Covers the cracks and joints of the surface
- It is water-proof and has high adhesion
- It has high abrasion resistance
- Easy to clean, dry quickly and anti-chalking
- Forms a hygienic, clean and resistant surface
- Long service life with high chemical resistance

container from each is mixed. Container of component B is completely emptied on component A and they are mixed at 300-500 rpm without letting air enter into the mixture. Mixing time is 2-3 minutes. Since the product is transparent, particular attention should be paid to the mixing time to ensure that the ingredients are mixed homogeneously.

Mixed material must be used within the pot life and thickened materials must not be thinned and used. StenCoat® 2EPV 201 PLUS is applied by spraying or manually by brush and roller.

The application can be single or double coat, 150 – 400 g of material used per each square meter per coat when it is applied as the sole coating on concrete or a similar surface.

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.

Emptied packages must be handled in compliance with relevant regulations and laws.

7. Storage

The material must be kept in dry indoor storage. Recommended storage temperature is 10 – 30°C. Stored in these conditions, the shelf life of unopened containers are 12 months. Packages to be used must be kept at 20-30°C for a couple of days before the application.

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		Results
Colors		Transparent
Base Polymer		Two Component Epoxy
Solids Content Weight %		75
Application Thickness, at each layer		100-300 microns (Dry Film)
Density (A+B)		0.99±0.05 g/cm ³
Density (Dry Film)		1.04±0.05 g/cm ³
Abrasion Resistance	ASTM D4060 CS17/1000rev/1kg	20 mg
Hardness (Shore)	ASTM D2240	65-75 D
Adhesion	ASTM D4541 (on concrete)	> 430 psi (concrete failure)
Adhesion	ASTM D4541 (on stainless steel)	> 1500 psi
Pot Life @20 °C		2 hours
Tack Free Time @ 20°C		75 minutes
Complete Cure Time		3 days

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