

## 1. Product Profile

StenCoat® 2EPV 210 is a two-component epoxy based, transparent, decorative varnish. StenCoat® 2EPV 210 is resistant to outdoor conditions.

StenCoat® 2EPV 210 is resistant to pool chemicals, weak acids and bases, detergents, disinfectants, fuel oil, hydraulic, etc. StenCoat® 2EPV 210 prevents dusting of, wetting of and water permeation to the surface and increases its resistance to dirt pickup and oxidation.

StenCoat® 2EPV 210 is available in 15 kg sets.

## 2. Uses

StenCoat® 2EPV 210 can be used on concrete, metal, plaster, wooden, granite, ceramic tiles, 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.

Surfaces coated with StenCoat® 2EPV 210 can be easily cleaned and does not chalk.

## 3. Surface Preparation

Application surfaces must be clean. Substrate temperature should not be above 40°C. The product can be used on glass, 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

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. The application should not be started if it is raining or there is a possibility to rain.

StenCoat® 2EPV 210 is prepared for the application by mixing two components. The components are packaged as they will mix at right proportions when one container from each is mixed. Component B is added into the

## Epoxy Based Two Component Varnish

### Highlights

- Water-proof
- Solvent free
- Protects the surface without changing its appearance
- Resistant to outdoor conditions
- Forms a hygienic surface

container of component A and they are mixed for 3-4 minutes at 300-500 rpm. Mixed material must be used within the pot life and thickened materials must not be thinned and used.

If it is required, it can be thinned by using up to 10% StenSolver EP to ease the application and to have a smoother surface. 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.

StenCoat® 2EPV 210 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. 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		Transparent
Density		1.02±0.05 g/cm <sup>3</sup>
Application Thickness		200-500 microns
Adhesion	ASTM-D 4541 (on concrete)	>740 psi (concrete failure)
Adhesion	ASTM-D 4541 (on stainless steel)	>1500 psi
Abrasion Resistance	ASTM D4060 CS17/1000rev/1kg	140 mg
Hardness (Shore)	ASTM D2240	60-70 D
Pot Life @20 °C		30 minutes
Tack Free Time @ 20 °C		2 hours
Complete Cure Time		2 days

[Stenkim®](#) reserves the right to make changes in the values in this table at any time.