

# StenCoat<sup>®</sup> 2EP220

## 1. Product Profile

**StenCoat<sup>®</sup> 2EP220** is a two component epoxy based, decorative floor coating. It has excellent abrasion resistance and low dirt pickup. It can be used as an economical floor coating on concrete floors. It is resistant to weak organic acids and bases, detergents, disinfectants, hydraulic fluids, many solvents and fuels. **StenCoat<sup>®</sup> 2EP220** prevents dusting of, wetting of and water permeation to the surface and increases its resistance to dirt pickup and oxidation. Catalog colors are available.

**StenCoat<sup>®</sup> 2EP220** is available in **10kg and 20kg** sets.

## 2. Uses

**StenCoat<sup>®</sup> 2EP220** is used for improving appearance, abrasion resistance and chemical resistance of metal and concrete surfaces, or on top self leveling screeds or floorings. It creates a smooth, easy-to-clean and hygienic surface on floors of hospitals, restaurants, kitchens and similar places. Surfaces coated with **StenCoat<sup>®</sup> 2EP220** are easily cleaned, easily dried and does not create dust. Coating preserves its color, elasticity and abrasion resistance for a long time. It covers cracks, joints and surface irregularities.

## 3. Surface Preparation

Application surfaces must be clean and dry. Surface temperature must not be over 40 °C. On seamless floorings, glass surfaces and in case of continuous water contact **StenAst<sup>®</sup> S** should be used as the primer. On concrete, plaster and similar porous or absorbent surfaces **StenAst<sup>®</sup> 3EP** should be used. For other types of surfaces **StenAst<sup>®</sup> 2EP** should be used. The application temperatures mentioned in the user manual of the primer must be observed.

## Epoxy Based Floor Coating

### Highlights

#### StenCoat<sup>®</sup> 2EP220

- It is epoxy based, two component floor coating.
- It is decorative.
- It forms a hygienic floor.
- Catalog colors are available.
- It creates a smooth surface with high slip resistance and low dirt pick up.
- Surfaces coated with it are easily cleaned, easily dried and inhibits dust.
- It improves abrasion and chemical resistance of the surface.
- It forms a durable coating.

## 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 15 °C and the temperature must not drop below 15 °C for the 24 hours following the application.

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

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worksite and the task such as goggles, mask and gloves.

**StenCoat® 2EP220** 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 are 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. Component B is added into the container of component A and they are mixed for 3-4 minutes at 300-500 revolution. The mixed material should be poured into another container and transferred to application area. Pouring on to application surface from mixing pot should be avoided. Mixed material must be used within the pot life and thickened materials must not be thinned and used.

**StenCoat® 2EP220** is applied by trowel and roller. The surface texture depends on the application method, and if a roller is used, the type of roller. When used directly on concrete or a similar surface, the application can be single or double coat, 1400 - 2800 g of material typically used per each square meter. As it is solvent-free, it can be applied as thick as desired.

## 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

Storage temperature must be 5-30°C. The packages must not be exposed to direct sunlight. Stored unopened in these conditions, the shelf life is 12 months. Packages to be used must be kept at 20-30°C for a couple of days before the application.

## 8. Maintenance

The cleaning is carried out by normal methods like wiping and sweeping with water and detergent. Pressurized water can be used. Peeled and worn parts of the coating are cut off and patched.

## 9. 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.

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## Technical Data

Property	Method	Result
Color		Color Catalog
Base Polymer		Epoxy
Solids Content %		100
Durometer Hardnes	ASTM D2240	D 80 ± 0,5
Density		1.40±0.1 g/cm <sup>3</sup>
Abrasion Resistance	ASTM D4060 CS17/1000 rev/1 kg	140 mg
Adhesion	ASTM-D 4541 (on epoxy floorings)	370 psi
Adhesion	ASTM-D 4541 (on concrete)	>740 psi (concrete failure)
Adhesion	ASTM-D 4541 (on stainless steel)	>1500 psi
Pot Life @20 °C		20 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.