

## 1. Product Description

**StenCoat® 2EP 217** is a two-component, epoxy-based, thixotropic 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 top coat over StenCoat® floor coating systems.

It is resistant to weak acids and bases, detergents, disinfectants, hydraulic oils, many solvents and fuels. **StenCoat® 2EP 217** helps prevent dusting, wetting, and water penetration, and increases the surface's resistance to soiling and oxidation.

## 2. Uses

**StenCoat® 2EP 217** is used to improve the slip, abrasion and chemical resistance properties of concrete surfaces. It is suitable for creating safe floors with textured, non-slip surfaces in places such as ramps, parking lots, garages, warehouses, etc. in industrial floors. Surfaces coated with **StenCoat® 2EP 217** 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 connection points of the floor.

## 3. Surface Preparation

Application surfaces must be clean and dry. Surface temperature must not exceed 40 °C. On seamless floor systems, glazed surfaces and concrete floors in continuous water contact, the surface should be primed using **StenAst® S**; for all other applications, the surface should be primed using **StenAst® 2EP**.

The time periods specified in the user manual of the primer used must be observed.

## 4. Application

It is recommended to condition the materials at 20-30 °C for one day before application. During the application, surface and ambient temperature must be at least 15 °C and the temperature must not drop below 15 °C for 24 hours following the application. **StenCoat® 2EP 217** is prepared for the application by mixing two components.

The components are packaged so that one container of each yields the correct mixing ratio. In cases where one complete package cannot 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. **StenCoat® 2EP 217** is spread on the surface with a notched trowel and finished with a textured roller. When used as a standalone coating on concrete or similar surfaces, it is applied in one or two coats at 500-600 g/m<sup>2</sup> per coat.

## 5. Cleaning

Equipment used can be cleaned with **StenSolver EP** at the end of the job.

## Epoxy-Based Thixotropic Floor Paint

### Highlights

- Solvent-free
- Creates a hygienic, clean and durable coating with its seamless structure
- Highly resistant to abrasion and chemicals
- Creates a non-slip floor thanks to its textured structure
- Provides excellent adhesion to all types of substrates
- High chemical resistance and long service life
- Catalog colors are available



## 6. Safety

Applicators and supervisors must read the Material Safety Data Sheet (SDS) carefully and follow the instructions provided. Emptied packages must be handled in compliance with relevant regulations and laws. 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.

## 7. 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 heating and homogenizing at +20 °C. The product must be stirred thoroughly before use after prolonged storage.

## 8. Disclaimer

This document is provided for general information and reflects **Stenkim®**'s laboratory data and field experience at the time of publication. **Stenkim®** reserves the right to revise this information at any time without 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 application and for all conditions of transport, storage, handling, 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.

## 9. Technical Data

| Property                         | Method                         | Result                        |
|----------------------------------|--------------------------------|-------------------------------|
| Base Polymer                     |                                | Epoxy                         |
| Solid Content                    | EN ISO 3251                    | 100                           |
| Color                            |                                | Catalog                       |
| Density                          | EN ISO 2811-2                  | 1.44 ± 0.03 g/cm <sup>3</sup> |
| Application Thickness (per coat) |                                | 250-500 µm                    |
| Abrasion Resistance              | ASTM D 4060 CS10/1000 rev/1 kg | 100 mg                        |
| Hardness                         | EN ISO 868                     | D75-80                        |
| Adhesion Strength                | EN 1542                        | > 5 MPa (concrete fractures)  |
| Pot Life @20 °C                  | EN ISO 9514                    | 45 minutes                    |
| Tack-free Time @20 °C            |                                | 5 hours                       |
| Full Cure Time                   |                                | 7 days                        |
| 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 (DoP STN-PRC-2EP217-0002).*

