

1. Product Profile

StenCoat® 2EP 401 is water-based epoxy coating supplied in two parts consists of two polymer components. It can be used on wet or moist concrete surfaces. It has excellent wetting, adhesion and elasticity. Due to its moisture tolerant structure, StenCoat® 2EP 401 is an excellent top coat for floor and wall coating.

StenCoat® 2EP 401 is hygienic and easy cleaning material. Depends on application thickness it is resistant to diluted organic and inorganic acids and alkalis, oils, fuels and antifreezes and many cleaning chemicals. It prevents dusting of, wetting of and water permeation to the surface and increase its resistant to dirt pickup and oxidation.

StenCoat® 2EP 401 is available in 15 kg sets.

2. Uses

StenCoat® 2EP 401 is used for improving appearance, abrasion resistance and chemical resistance of concrete surfaces, or on top self-levelling screeds or floorings. It creates a smooth, easy-to-clean and hygienic surface on floors and walls of hospitals, restaurants, kitchens and similar places. Surfaces coated with StenCoat® 2EP 401 are easily cleaned, easily dried and does not create dust. Coating preserves its colour, elasticity and abrasion resistance for a long time.

3. Surface Preparation

There must not be loose materials, oil, grease or paint on the surface. Mechanical abrasion can be used for cleaning the surface from contaminations. Humidity of the concrete pavement must be determined. If the humidity is higher than 0.75 kg/ 24 hours/100m² (ASTM F-1869/98) or relative humidity measured by hygrometer is higher than 75% StenAst® 2EP-MT must be applied.

4. Application

It is helpful to keep the materials at 20-30°C for one day before the application date. StenCoat® 2EP 401 must not be applied at temperatures below 10°C.

First component A is homogenized for 2-3 minutes. Component B is poured into the vortex that forms in the container of component A. After mixing in a lower speed

Water Based Epoxy Floor and Wall Coating

Highlights

- Can tolerate moisture
- Can be applied on wet or damp surfaces
- Hygienic and odorless
- 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
- Improves abrasion and chemical resistance of the surface
- Forms a durable coating
- Crates an impermeable surface
- Easy to apply

for 2-3 minutes more, 2.3 kg water (approx. 15% of amount) of water is added onto the mixture and they are mixed for 2 more minutes at higher speed. There must not be unmixed material left on the walls of the container or at the bottom.

StenCoat® 2EP 401 should be applied at least 2 layers with 200-300 micron per layer.

The surface of the first coat must be protected from contaminants and dust until the next coat is applied. The second layer should be applied when the first layer is cured but is still tacky before it dries completely. If the second coat is applied too late, adhesion will be adversely affected. Manual mixing of the components is not sufficient. The material may not (partially) cure due to insufficient mixing.

5. Cleaning

Equipment used can be cleaned at the end of the job with [StenSolver CL](#).

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 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
Base Polymer	Water based Epoxy
Appearance	Semi Matt
Solid Content % (A+B)	70
Density – (A+B)	1.55± 0.05 g/cm ³
Durometers Hardness (Shore D)	60
Application Thickness, at each layer	200-300 microns
Pot Life of the Mixture @ 23 °C	45 minutes
Tack Free Time @ 23 °C	4-8 hours
Min. Time for 2nd Layer @ 23 °C	8-10 hours
Max. Time for 2nd Layer @ 23 °C	24 hours
Full Cure	5-7 days

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