

1. Product Profile

StenCoat® 2EP YALIT epoxy based, solvent free, two component, highly insulating floor coating material. It has an excellent abrasion resistance and chemical resistant structure. Consists of solvent free epoxy resin, pigment and solid filler.

StenCoat® 2EP YALIT is a seamless and durable coating system resistant to abrasion, impact, chemical effects and penetration. It is resistant to organic and inorganic acids and alkalis, oil, fuel and antifreeze and many chemicals.

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

2. Uses

StenCoat® 2EP YALIT can be applied to any kind of floor, in any place where electrical insulation is required from the floor in terms of occupational safety, especially in electrical switches, control rooms and cabins.

StenCoat® 2EP YALIT is preferred to improve safety on floors that are stepped by people who will interfere with electrical panels, where there is a danger of employees coming into contact with electricity and the possibility of short circuit. It is suitable to apply onto concrete, mosaic, tile, steel and many other surfaces.

3. Surface Preparation

Application surfaces must be clean and dry. Surface temperature must not be over 40°C. **StenAst® 2EP** should be used as primer. The application temperatures mentioned in the user manual of the primer should be followed.

Properly preparing the surface is important in order to get an easy, fast and error-free application. Levelling layer consisting should be applied if needed. This layer is prepared by adding an appropriate amount of **StenSilica 100-300** into properly mixed **StenCoat® 2EP YALIT**. After homogenizing the mixture, it should be applied with the help of a trowel without further waiting.

Epoxy Based Electrical Insulating Floor Coating

Highlights

- Highly electrical insulator
- Solvent free
- Improves safety in working environment
- Easy to clean seamless surface
- Long lasting
- Highly resistant to abrasion and chemicals
- Catalog colors are available

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.

StenCoat® 2EP YALIT 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. After homogenizing component A for 1-2 minutes, Component B is added into the container of component A and they are mixed for 2-3 minutes at 300-500 revolution. Entraining of air into the mixture while mixing should be avoided. Mixture than poured on to the surface and levelled. Minimum application thickness is 5mm. Mixed material must be used within the pot life and thickened materials must not be thinned and used.

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		Color Catalog
Density		1.55 ± 0.05 g/cm ³
Application Thickness		Min. 5mm
Durometer Hardness	ASTM D2240	D 75 ± 0.5
Abrasion Resistance	ASTM D4060 CS17/1000 rev/1 kg	9 mg
Abrasion Resistance	ASTM D4060 H18/1000 rev/1 kg	192 mg
Electrical Resistance	ASTM D 257, 1000 V, 1 min. Dry	>11 G ohm
Impact Resistance	TS EN 6272-1	Class 3 ≥ 20 Nm (No damage)
Adhesion	ASTM-D 4541 (on concrete)	5.48 N/mm ² (concrete failure)
Pot Life of the Mixture @ 23 °C		45 minutes
Tack Free Time @ 23 °C		3 hours
Cure Time for Light Traffic @ 23 °C		3 days
Complete Cure Time @ 23 °C		7 days

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