StenCoat® 2EPM 230

1. Product Description

StenCoat® 2EPM 230 is a two-component, cold-applied, chemically curing, epoxy-based, self-leveling flexible crack suppression membrane. It has high mechanical resistance, flexibility and adhesion, and is suitable for heavy traffic conditions.

Epoxy-Based Flexible Crack Suppression Membrane

Highlights

- Cures fast and minimizes downtime
- Has high mechanical strength
- Two-component, epoxy-based
- Long-lasting and durable
- Suitable for heavy-duty conditions

2. Uses

StenCoat® 2EPM 230 is designed for applications that are subject to movement during or after the application. It is used as a crack-bridging membrane over concrete surfaces before flooring is installed. It has excellent adhesion to concrete, metal, wood and similar surfaces, providing a durable and stable repair.

It is also used as filling or adhesive between two different surfaces. Due to its elasticity, it partially isolates movement of those two surfaces from each other.

3. Surface Preparation

The surfaces where **StenCoat® 2EPM 230** will be applied must be dry, free from contaminants such as oil, grease, concrete remains and loose particles. Dust and loose materials must be removed by pressurized air. Metal surfaces must be cleaned with a brush.

StenCoat® 2EPM 230 adheres excellently to many surfaces without primer; however, primer must be used in areas in contact with water and in applications on glass, plastic or rubber.

4. Application

It is recommended to condition the materials at 20-30 °C for one day before application. During application, surface and air temperature must be at least 10 °C and the temperature must not drop below 10 °C for 24 hours following the application. **StenCoat® 2EPM 230** is a two-component material.

Components A and B are packed as sets to be completely mixed. 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. Entire component B is added into the container of component A and they are mixed until a homogeneous mixture is obtained.

Mixed material must be used within the pot life, and thickened material must not be thinned and reused. Applying the material with sufficient pressure and avoiding air entrapment will improve adhesion. For crack suppression membrane application, route out all cracks and repair them with **StenAst® 2EP** epoxy primer or **StenCare® 2EP 310**/311 repair material.

Apply **StenCoat® 2EPM 230** at 1.50-1.60 kg/m² for a 1 mm thickness and spread a 1 mm thick fiberglass scrim into the wet membrane. Fiberglass scrim is mandatory for crack-bridging applications; it is optional for full-membrane coverage.

5. Cleaning

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

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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

The material must be kept in dry indoor storage away from direct sunlight. Recommended storage temperature is 5-30 °C. 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.

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9. Technical Data

Property	Method	Result
Base Polymer		Epoxy
Solid Content	EN ISO 3251	100
Color		Gray
Density	EN ISO 2811-2	1.3 ± 0.1 g/cm^3
Hardness (Shore)	EN ISO 48-4	D40-50
Thermal Compatibility	ASTM C 884	Pass
Elongation at Break	ASTM D 412 Die B	140-160%
Adhesion Strength	ASTM C 1583	380 psi (concrete failure)
Pot Life @30 °C	ASTM C 881	30 minutes
Time to open to heavy traffic @30 °C		24 hours
Cure Time for Chemical Resistance @30 °C		72 hours
Shelf Life		1 year
Packaging		5 kg sets

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

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