

StenCoat® GRANO 3EP FLEX



1. Product Description

StenCoat® GRANO 3EP FLEX is a heavy-duty, solvent-free, flexible, pourable epoxy-based floor coating material that forms a slip-resistant floor with specially sized solid fillers. It has high adhesion, abrasion and impact resistance, and resistance to chemicals. The polymeric mixture is compatible with thermal expansion of concrete made from Portland cement and adheres excellently to concrete.

Due to its elastic nature, it withstands thermal and dynamic movement without peeling or cracking. It does not require joints in places subject to minor movements. It is easily applicable.

It is a system consisting of solvent-free pure epoxy resin, pigments and solid fillers.

2. Uses

StenCoat® GRANO 3EP FLEX is used in repairing old concrete surfaces, broken edges and joint corners, and similar small areas. It is also suitable for repair of weak surfaces or surfaces subjected to high thermal or mechanical loads. It can also be used as a top coating in areas where protection and non-slip properties are required, in deceleration and stopping zones.

It is used on pedestrian walkways, floors in industrial storage tank areas, airport pedestrian walkways, turning and deceleration zones in parking areas. It is suitable for concrete, mosaic, tile, wood, metal and asphalt surfaces.

3. Surface Preparation

Proper and correct surface preparation is of great importance. For this reason, if detailed information about the surface condition is provided, the most suitable surface preparation procedures will be recommended by **Stenkim®**. Oil, dirt, asphalt or old patch materials must not be left on the surface.

Dust and loose materials must be removed. During application, the ambient and surface temperature must be between 10-30 °C, and the relative humidity of the surface must not exceed 75%.

4. Application

The proper preparation of the surface to which this self-leveling material is to be applied is of great importance. On a properly prepared surface, easy, quick and error-free application is possible. Mixing the components is carried out as follows.

Heavy-duty concrete/mortar mixers of suitable capacity must be used. Component A is placed in the mixer and aggregate is added, and mixed for 1-2 minutes until a homogeneous structure is obtained. Then component B is added to this mixture and it is mixed for 1-2 minutes more, and without delay it is poured on the application area.

The poured material is first spread roughly and levelled with a screed. If desired, additional aggregate can be spread on the surface before the material sets. Loose aggregates on sufficiently cured material can be swept away.

Epoxy-Based Heavy-Duty Floor Coating Material

Highlights

- Epoxy-based
- Provides excellent adhesion to concrete and accommodates concrete thermal expansion
- Resistant to thermal and mechanical stresses
- Suitable for joint-free applications
- Suitable for outdoor conditions
- Has high impact resistance
- Flowable and easily applicable
- Has self-leveling capability
- Non-slip, surface can be additionally roughened
- Solvent-free
- Resistant to chemicals



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Aggregates must be selected among high hardness, abrasion resistant materials. **StenSilica** is suitable for this purpose. Aggregate size is determined according to the application thickness.

5. Cleaning

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

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.



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9 Technical Data

Property	Method	Result
Base Polymer		Epoxy
Solid Content		100
Color		Gray
Application Thickness		min. 5 mm
Hardness (Shore) (A+B+C)	EN ISO 48-4	D75-80
Density (A+B)		1.2 ± 0.1 g/cm ³
Density (A+B+C)		2 ± 0.1 g/cm ³
Thermal Compatibility	ASTM C 884	Pass
Elongation at Break (A+B)	ASTM D 412 Die B	>20%
VOC		0%
Shelf Life		1 year
Packaging		24 kg sets

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



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