

1. Product Description

StenCoat® 3EP GRIP is a three-component epoxy-based, transparent, nonskid coating. It has high abrasion and chemical resistance. It is resistant to outdoor conditions.

It is resistant to pool chemicals, weak acids and bases, detergents, disinfectants, hydraulic oils, many solvents and fuels. **StenCoat® 3EP GRIP** prevents dusting, abrasion, wetting and water permeation of the surface it protects, and increases its resistance to oxidation and soiling.

2. Uses

StenCoat® 3EP GRIP is a varnish used for improving anti-slip properties, abrasion resistance and chemical resistance of surfaces without changing their appearance. It is used to provide safety on all floors where there is a risk of slipping, especially in wet areas, around pools, on bathtubs, tile floors, kitchen floors, building entrances, restaurants, shopping malls, and hotels. It can be used on concrete, metal, mortar, wood, wall tiles, granite, ceramic floor tiles, natural stone and similar surface coverings to improve their chemical and abrasion resistance without changing the appearance of the surface.

It covers the joints and cracks of the surface, increasing the durability and extending the life of the coating. Surfaces coated with **StenCoat® 3EP GRIP** are easy to clean, dry quickly, and do not generate dust. The coating maintains its properties for a long time.

3. Application

3.1. Surface Preparation

Application surfaces must be clean and dry. Surface temperature must not exceed 40 °C. On seamless floor systems, glass surfaces and concrete floors in constant contact with water, the surface must be primed using **StenAst® S**; for all other applications, the surface must be primed using **StenAst® 2EP**. The time periods specified in the user manual of the primer used must be observed.

3.2. 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. Application must not be carried out if there is a possibility of rain.

StenCoat® 3EP GRIP is ready for application once its three components have been mixed. The components are packaged so that one container of each yields the correct mixing ratio. In cases where a complete package will not 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. Component C can either be added to this mixture or

Epoxy-Based Transparent Anti-Slip Varnish

Highlights

- Suitable for use in places frequently in contact with water
- Provides anti-skid properties in wet areas such as pool surrounds, bathtubs and kitchens
- Comfortable; does not abrade the skin
- Covers floor cracks and joints in wood, tile, granite, marble, natural stone and similar surfaces
- Highly resistant to abrasion and chemicals
- Easy to clean, dries quickly and does not cause dusting
- Creates a hygienic, clean, and durable seamless floor
- High chemical resistance and long service life



sprinkled on the surface after the mixture of components A and B has been applied. Because the product is transparent, observe the mixing time closely to ensure the components are mixed homogeneously.

Mixed material must be used within the pot life. Material that has begun to thicken must not be diluted for reuse.

StenCoat® 3EP GRIP is applied by brush and roller.

On surfaces such as marble, wall tiles, floor tiles, acrylic bathtubs, and glass, 150-175 g of material is used per square meter. When used on its own as a coating on concrete or similar absorbent surfaces, two or three coats are applied, using 300-500 g of material per square meter per coat. In this case, component C must be added to the final coat only.

3.3. Cleaning

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

4. Safety

Applicators and supervisors must read the Safety Data Sheet (SDS) carefully and follow the instructions provided. Emptied packages must be disposed of in compliance with relevant regulations and laws. The application must be carried out by skilled workers under the supervision of experts and the applicators must use all personal protective equipment required for the worksite and the task such as goggles, mask and gloves.

5. 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 being warmed to +20 °C and homogenized. After prolonged storage, the product must be stirred thoroughly before use.

6. Disclaimer

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



7. Technical Data

Property	Method	Result
Base Polymer		Epoxy
Solids Content (by weight)		58%
Color		Transparent
Density (Dry Film)		1.14 ± 0.05 g/cm ³
Density (A+B)		1 ± 0.05 g/cm ³
Application Thickness (per coat)		80-200 µm
Hardness (Shore)	EN ISO 868	D60-70
Abrasion Resistance	ASTM D 4060 CS17/1000 rev/1 kg	3 mg
Adhesion Strength	ASTM D 4541 (on concrete)	> 780 psi (concrete failure)
Adhesion Strength	ASTM D 4541 (on steel)	> 1500 psi
Pot Life @20 °C	EN ISO 9514	1 hour
Tack-free Time @20 °C		15 minutes
Ready for Light Traffic @20 °C		1 day
Full Cure Time		3 days
Shelf Life		1 year
Packaging		5.2 kg sets

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

