

1. Product Description

StenCare® 3EP ANK is a heavy-duty, solvent-free, pourable epoxy anchorage material with high load bearing strength and abrasion resistance. It is designed for use at places subject to high abrasion and for fixture mounting at such places. It can also be used for minor repairs on concrete.

StenCare® 3EP ANK has excellent abrasion and impact resistance, and it is resistant to chemical and atmospheric effects. The polymeric mixture is compatible with the thermal expansion of concrete made from Portland cement and adheres very well to concrete, metal and many other surfaces.

2. Uses

StenCare® 3EP ANK is produced for use in places subject to high abrasion on concrete-coated runways, for fixture mounting, and for other anchorage works. Its impact absorption, elasticity and abrasion resistance properties make it suitable for use in minor repairs.

3. Application

The ambient and surface temperature must be at least 10 °C during application. Mixing the components is carried out as follows. Component B is added to component A and mixed for 1-2 minutes, and without delay, the aggregate, which is the product's component C, is added to the mixture.

It is mixed for 1-2 minutes until a homogeneous structure is obtained. Aggregates should not be added all at once, but should be mixed in by feeding them in, within the shortest time allowed by the mixing equipment. The prepared material is poured into the application area without waiting.

If a non-slip surface is required, additional aggregate is sprinkled onto the surface before the material sets. Loose aggregates on material sufficiently cured for foot traffic can be swept away. Aggregates must be selected among high hardness, abrasion resistant materials.

StenSilica #5-#10 (0.25-7 mm) are suitable for this purpose. The aggregates must be dried and graded. The following points should be considered during mixing and application of **StenCare® 3EP ANK**.

StenCare® 3EP ANK mixture should be prepared in a short time with a powerful low-speed mixer. The mixture must be immediately transferred to another container and poured into the prepared area. The reason for transferring to another container is to prevent problems caused by unmixed parts stuck to the wall.

Mixed materials must never be kept waiting in the container. Otherwise, the exothermic chemical reaction increases the mixture temperature, which causes the reaction to accelerate. Since the material poured on the ground will lose heat due to contact with the surface, hardening starts after a reasonable time.

The poured mixture is leveled immediately and given its final shape. The material's flowability is suitable for leveling slightly inclined pavements. If there are high spots above the runway surface at the end of the work, they should be shaved by sanding or grinding.

Very High Strength Epoxy-Based Anchorage and Fixture Installation Material

Highlights

- Withstands harsh conditions
- Solvent-free
- For anchoring and repairs
- 100% compatible with concrete
- Ideal for both small and large concrete repairs
- Adheres strongly to concrete, metals and other surfaces
- Long-lasting and easy to apply



In large-scale applications, the next mixture should be poured without waiting for the previous poured mixture to harden, so the whole surface is finished seamlessly. For this, the "mixing", "transfer and pouring", and "spreading and leveling" teams must continue in a coordinated manner without interruption.

4. Cleaning

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

5. 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.

6. Storage

It must be stored away from open flame and sources of ignition. Materials should be stored at 5-30 °C in a temperature-controlled environment, protected from daylight and moisture. Under these conditions, the material will retain its properties until the expiration date in unopened packages.

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.

7. 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.



8. Technical Data

Property	Method	Result
Base Polymer		Epoxy
Solid Content		100
Color		Gray
Application Thickness		min. 15 mm
Hardness (Shore)	EN ISO 48-4	D80-85
Density (A+B+C)		1.7 ± 0.05 g/cm ³
Flame Resistance		Pass, non-flammable
Chemical Resistance; Jet Fuel, Motor Oil, Antifreeze, Salt @20 °C	ASTM D 1308	Pass
Pot Life @20 °C		30 minutes
Tack-free Time @20 °C		3 hours
Ready for Light Foot Traffic @20 °C		12 hours
Time to open to heavy traffic @20 °C		24 hours
Cure Time for Chemical Resistance @20 °C		5 days
Shelf Life		1 Year
Packaging		10 kg sets

Stenkim® reserves the right to make changes to the values in this table at any time. *CE: CE marked in accordance with EN 1504-3 (DoP STN-3EPANK-0001).*

