

StenCare[®] 3EP-ANK

1. Product Profile

StenCare[®] 3EP-ANK is a heavy duty type, solvent free epoxy coating material that can be applied by pouring. It is designed for use at places subject to high abrasion and for fixture mounting at such places. It can be used for minor repairs on Portland concrete.

StenCare[®] 3EP-ANK is resistant to chemical impacts with its excellent abrasion and impact resistance properties. Polymeric mixture matches thermal expansion of the concrete made of Portland cement and has excellent adhesion to concrete, metal and many other surfaces.

StenCare[®] 3EP-ANK is available in **15 kg** sets.

2. Uses

StenCare[®] 3EP-ANK designed for fixture installation and similar anchorage tasks at Portland cement concrete surfaces subject to high abrasion. Its impact absorption, elasticity and abrasion properties are suitable for use in minor repairs.

3. Application

Mixing the components is carried out as follows. Component B is poured on to component A, mixed for 1 - 2 minutes and aggregates (Component C) is mixed in without delay. It is mixed for 1-2 more minutes until the mixture is homogeneous.

Aggregates must not be poured in all at once. They should be mixed in as fast as mixing equipment can mix them in but not any faster. The mixture is poured on the application area without waiting. Additional aggregates should be scattered on the surface if a non-slip surface is required. Loose aggregates on sufficiently cured material can be swept away. Aggregates must be selected among high hardness, abrasion resistant materials. **StenSilica #5-**

High Strength Epoxy Fixture Montage and Anchorage Material

Highlights

StenCare[®] 3EP-ANK

- It is solvent free epoxy based
- It can be used for anchorage or repairs.
- It is 100% compatible with concrete and matches thermal expansion of concrete
- It adheres strongly to concrete, metals and similar surfaces.

#10 (0,25-7 mm) are suitable for this purpose. The aggregates must be dried and graded.

During mixing application of **StenCare[®] 3EP-ANK** the following must be observed:

- Mixing should be done with a low RPM high power mixing equipment.
- Mixed material must be immediately transferred to another container and poured without delay. The reason for the transfer is to avoid pouring unmixed material stuck to the walls of the container. Mixed material must not be kept in the container for too

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long. Otherwise, since curing reaction is an exothermic reaction, the material in the container gets hot and curing rate increases, leading to gelling in 2-5 minutes. The poured material is cooled by the floor and cure reaction is delayed.

- Poured material should be leveled and finalized as soon as possible. Flowing properties of the material is adjusted such that it can be leveled to match slight inclination of the pavement around.
- In order to have a seamless surface, the remaining material should be mixed and applied before poured material cures.
- Therefore mixing, transfer and pouring, troweling and leveling processes must all be coordinated.

4. Cleaning

Mixing and application tools must be cleaned with plenty of water right after being used.

5. Safety

Applicators and supervisors must read Material Safety Data Sheet (MSDS) carefully and observe the considerations written therein. Emptied packages must be handled in compliance with relevant regulations and laws.

6. Storage

The materials must be stored at storages with controlled temperature of 10 - 30 °C and must be protected from sunlight and excessive moisture. The materials must be kept far from open fire and sources that may create fire hazard. Stored unopened in these conditions, the shelf life is 12 months.

7. Maintenance

Damaged parts should be repaired. If required, please refer to our Technical Support service regarding this matter.

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.

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Technical Data

Property	Method	Result
Base Polymer		2 Component Epoxy
Solids Content %		100
Application Thickness		Min 15mm
Colors		Grey
Durometer Hardness (Shore)	ASTM D 2240	D80-85
Density		1.70 ± 0.05 g/cm ³
Flame Resistance		Pass, non flammable
Chemical Resistance; Jet Fuel, Motor Oil, Anti-Freeze, Salt @ 20°C	ASTM D 1308	Pass
Pot Life of the Mixture @ 20°C		30 minutes
Tack Free Time @ 20°C		3 hours
Cure Time for Light Trafficability @ 20°C		12 hours
Cure Time for Heavy Trafficability @ 20°C		24 hours
Cure Time for Chemical Resistance @ 20°C		5 days

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