

1. Product Description

StenAst® SI is a single-component, silane-based surface conditioner, prepared for all **Stenkim®** brand polymer-based surface coating materials, top coats and joint sealants.

2. Uses

StenAst® SI is a single-component, silane-based surface conditioner developed for coatings and topcoats to be applied especially on concrete, wood, fiberglass and similar surfaces. Unlike film forming primer materials, it forms a layer a few molecules thick. It reacts with the application surface at one end and with the material at the other end, chemically strengthening adhesion.

This way, it ensures adhesion without forming a third layer between the surface and the material. **StenAst® SI** is very suitable for newly cut joint applications on concrete pavements. Since it does not leave a mark when it spills outside the joint, it does not spoil the appearance. Due to the short curing time for the top coat, it allows fast working.

In dusty environments, or when old joint material is removed and replaced, take extra care with surface cleaning; contact **Stenkim®** if needed.

3. Surface Preparation

Surface must be free from loose materials, oil, grease, paint and the concrete must be dry. Surface contaminants must be removed by sandblasting or mechanical abrasion. Contaminants that have penetrated into the concrete must be removed using cleaners capable of dissolving the contaminant, followed by detergent and water cleaning.

4. Application

StenAst® SI should not be applied in cold conditions below 5 °C. Sufficient amount of **StenAst® SI** is taken into the application container and applied continuously to the surface with a brush or roller. It is applied in one or two coats depending on the surface texture.

Surface wetting is sufficient. 15 to 25 m² area can be covered with a liter of **StenAst® SI** depending on the surface texture of the concrete pavement and application conditions. When used for joints, it must be applied to the joint before the backer rod is placed.

Otherwise, since it contains high levels of solvent, it may damage or dissolve the backer rod. For the same reason, sufficient ventilation must be provided during applications. **StenAst® SI** leaves no trace when dried and does not form a visible film layer like other primer types.

This requires users to be more careful in distinguishing the areas where they have applied.

5. Cleaning

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

Single-Component, General Purpose Surface Conditioner

Highlights

- Single-component, silane-based
- Excellent surface conditioner for coatings over concrete, wood, fiberglass and similar surfaces
- Does not form a film layer
- Chemically enhanced adhesion
- Very suitable for newly cut joints
- Does not leave a mark
- Short waiting time, allows fast working
- Transparent
- Easy to apply with brush and roller



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.

Due to its high solvent content, it should not be considered for cleaning purposes. Avoid skin contact.

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.

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.

9. Technical Data

Property	Method	Result
Base Polymer		Silane
Solvent		Isopropyl Alcohol
Color		Transparent
Density	EN ISO 2811-2	0.80 ± 0.02 g/cm ³
Application Thickness (per coat)		Nano scale
Shelf Life		1 year
Packaging		2.5 kg packages

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

