

1. Product Description

StenAst® SW is a single-component, silane-based surface conditioner, prepared for all types of **Stenkim®** brand polymer materials, topcoats, joint sealants and surface coating materials.

StenAst® SW is water-based. Thanks to its water-based composition, it is not flammable or ignitable. **StenAst® SW** is very suitable for newly cut joints in concrete pavements. Since it does not stain when it spills outside the joint, it does not change the appearance.

2. Uses

StenAst® SW is used as a surface conditioner ahead of **Stenkim®** brand polymer-based coating materials, topcoats and joint sealing materials such as **StenCoat®**, **StenSeal®**, **StenSport®** and **StenCare®** to be applied especially on surfaces such as concrete, wood, epoxy and polyurethane. Unlike film-forming primer materials, it forms a layer a few molecules thick. One end of the silane molecule reacts with the application surface and the other end with the material to be applied, thereby strengthening adhesion chemically. This way, it ensures adhesion without forming a third layer between the surface and the material. Thanks to its water-based composition, it is preferred in enclosed spaces with limited ventilation and in facilities where the use of solvents is not permitted. In dusty environments, or when old joint material is removed and replaced, take the utmost care with surface cleaning; contact **Stenkim®** if needed. **StenAst® SW** is also a suitable surface conditioner for concrete floors in constant contact with water.

3. Application

3.1. Surface Preparation

The surface must be free from contaminants such as loose material, oil, grease and paint, and the concrete must be dry. Contaminants adhering to the surface must be removed by sandblasting or grinding. Contaminants that have penetrated into the concrete must be removed using cleaners capable of dissolving the contaminant, followed by cleaning with detergent and water.

3.2. Application

StenAst® SW must not be applied in cold conditions below 10 °C. A sufficient amount of **StenAst® SW** 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. One liter of **StenAst® SW** covers 15 to 25 m², depending on the surface texture of the concrete pavement and the application conditions.

After the application, the water on the surface must be allowed to evaporate completely. The waiting time is 1-4 hours depending on the ambient temperature, the relative humidity and the ventilation conditions. The joint sealant or the coating must not be applied before the surface is completely dry. Water remaining on the surface causes bubble

Water-Based, Single-Component, General Purpose Surface Conditioner

Highlights

- Single-component, silane-based
- Water-based
- Not flammable or ignitable
- Can be applied in enclosed spaces with limited ventilation
- Good surface conditioner for concrete, wooden and epoxy surfaces
- Does not form a film
- Chemically strengthens adhesion
- Suitable for newly cut joints
- Does not leave a mark
- Transparent
- Easy to apply with a brush and roller



formation and loss of adhesion, particularly with polyurethane-based joint sealants and coatings. Adequate ventilation must be provided during and after the application in order to shorten the drying time.

When used for joints, it must be applied to the joint before the backer rod is placed. Otherwise the material accumulates beneath the backer rod, and the water that cannot evaporate prevents the joint sealant from bonding.

StenAst® SW leaves no trace when dried and does not form a visible film like other primer types. This requires users to be more careful in identifying the areas where they have applied the material.

3.3. Cleaning

Equipment used can be cleaned with water at the end of the job. Once dried, the material can only be removed mechanically.

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.

Avoid skin contact.

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 6 months from the production date. After prolonged storage, the product must be stirred thoroughly before use.

Protect the product from freezing. Frozen material cannot be reused.

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		Silane
Solvent		Water
Color		Transparent
Density	EN ISO 2811-2	1.00 ± 0.05 g/cm ³
pH	ISO 4316	10 ± 1
Volatile Organic Compound (VOC)		22 g/l
Shelf Life		6 months
Packaging		2.5 kg packages

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

