

1. Product Description

StenSport® SEALER is a flexible, non-sagging sealer designed for use in sports facilities for filling pores in mats used in seamless floor applications and for assisting the adhesion and smooth surface of the layer to be applied on top. It is a two-component, solvent-free, polyurethane-based surface coating material with a pigment and filler composition. It has a structure resistant to chemicals, physical stresses, and minor floor movements. It has high impact absorption, rebound, indentation, tear, and abrasion resistance.

2. Uses

StenSport® SEALER can be used in all types of sports fields. It is used in filling pores created in shock absorption layers formed by bonding rubber granules with polyurethane binder in open area synthetic track applications or indoor facility coatings. In places where a separate shock absorption layer is not used, it is used as a shock absorption layer or to ensure the floor surface is smooth.

It is suitable for rubber, polyurethane, concrete, mosaic, tile, wood parquet, and asphalt surfaces.

3. Application

3.1. Surface Preparation

Proper and correct surface preparation is of great importance. For this reason, if detailed information about the surface condition is provided, the most suitable surface preparation procedures will be recommended by **Stenkim®**. In enclosed areas, it is beneficial to cut a groove parallel to the walls at a 15 cm distance, 20 mm deep and 8-10 mm wide.

This groove prevents the floor coating from being affected by the walls and ensures adhesion to the floor. When applying to the mat, the mat must be clean and dry.

3.2. Primer

If **StenSport® SEALER** is to be applied to rubber mats, no primer is required. However, if applied directly to concrete, wood, or asphalt surfaces, using a compatible primer is beneficial. Primer use is especially important in outdoor applications.

When primer is applied, the surface must be protected from contaminants and dust until the next layer is applied.

3.3. Application of the Coating

The mixing operation is performed with a low-speed mixer. While the component in container A is being mixed with the mixer, component B is added. The components are mixed for 2-3 minutes, taking care that no air enters the mixture and that it becomes completely homogeneous.

Because this product is thick-bodied and thixotropic, care should be taken in the mixing process. The mixture is poured onto the floor and applied to the surface with steel or plastic notched trowels by pressing it in. Care is taken to ensure that the pores are completely filled and a smooth surface is obtained.

Indoor-Outdoor Sports Field Mat Covering Material

Highlights

- Two-component, polyurethane-based
- Solvent-free
- Used for sealing pores in mats and providing a smooth application surface
- Resistant to physical stresses and minor floor movements
- High impact absorption, rebound, indentation, tear, and abrasion resistance
- Easy to apply
- Non-sagging
- Provides excellent adhesion
- Quick setting, short tack-free time
- Catalog colors are available
- Suitable for use in all types of sports fields, indoors and outdoors



If the system is designed to require thick application, the application is performed with height-adjustable squeegees. A maximum of 2 mm thickness of material should be applied at one time. The second layer should not be applied before the previous layer takes its initial set, but the application should be done before the previous layer is fully cured.

3.4. Application Tools

Screed rail / Trowel: Straight and baseboard steel screeds are used.

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

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 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		Two-Component Polyurethane
Solid Content		100
Color		Catalog
Density		1.33 ± 0.05 g/cm ³
Application Thickness		0.3-1 mm
Hardness	EN ISO 48-4	A55-66
Maximum Flexibility Modulus		15 MPa
Tear Strength	ASTM D 624 Die C	70 N/mm
Elongation at Break	ASTM D 412 Die B	40%
Abrasion Resistance	ASTM D 4060 CS10/100 rev/1 kg	10 mg
Pot Life @20 °C		30 minutes
Tack-free Time @20 °C		3 hours
Ready for Light Foot Traffic @20 °C		1 day
Ready for Sports Use @20 °C		4-5 days
Shelf Life		1 year
Packaging		20 kg sets

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

