

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 of the layer to be applied on top and for providing a smooth application surface. It is a two-component, solvent-free, polyurethane-based surface coating material with a pigment and filler composition. It is resistant to chemicals, physical stresses, and minor floor movements. It has high impact absorption and elastic recovery capability; it is resistant to indentation, tearing and abrasion.

2. Uses

StenSport® SEALER can be used on all types of sports fields. It is used to fill the pores in shock-absorbing layers formed by bonding rubber granules with a polyurethane binder in outdoor synthetic-track applications or indoor sports-surface coatings. In places where a separate shock absorption layer is not used, it is used as a shock-absorbing 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 surface preparation is of great importance. For this purpose, if detailed information about the condition of the surface is provided, **Stenkim®** will recommend the most suitable surface preparation methods. In enclosed areas, it is beneficial to cut a groove parallel to the walls at a distance of 15 cm, 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. For application onto a 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 the product is 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.

Mat Covering Material for Indoor and Outdoor Sports Fields

Highlights

- 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 and rebound, with high resistance to indentation, tearing, and abrasion
- Easy to apply
- Non-sagging
- Provides good adhesion
- Quick setting, short tack-free time
- Available in catalog colors
- Suitable for use on all types of sports fields, indoors and outdoors



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

3.4. Application Tools

Screed rail / Trowel: Straight and skirting-profile steel screeds are used.

3.5. Cleaning

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

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.

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 12 months from the production date.

Low temperatures may cause crystallization of the product; in this case, the product can be used after being warmed to +20 °C and homogenized. After prolonged storage, the product must be stirred thoroughly before use.

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		Two-Component Polyurethane
Solids Content (by weight)		100%
Color		Catalog
Density		1.33 ± 0.05 g/cm ³
Application Thickness		0.3-1 mm
Hardness	EN ISO 868	A55-66
Tensile Strength		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.

