

StenSport[®] SEALER

1. Product Profile

StenSport[®] SEALER is an elastic, non sag type, surface coating composed of solvent free two component polyurethane resin, pigments, fillers and designed for filling the pores of the mattresses used in seamless floor applications, helping the layer to be applied on top of have proper leveling and adhere well. It is resistant to chemicals, physical stresses and minor floor movements. It is a material with high impact absorption, resistant to piercing, tearing and abrasion.

StenSport[®] SEALER is available in 20 kg sets.

2. Uses

StenSport[®] SEALER can be used at all kinds of sports grounds. It is used for filling the pores of the shock absorbent layer formed by binding rubber granules with the polyurethane binder and also in other indoor or outdoor synthetic floor applications. At places where separate shock absorbent layer is not used, it is used as the shock absorbent layer or for proper leveling the surface of the floor. It is suitable for rubber, polyurethane, concrete, terrazzo, ceramic, wooden inlay and asphalt surfaces.

3. Application

3.1. Surface Preparation

It is very important to prepare the surface in a correct and proper manner. It is helpful to saw cut 20 mm deep and 8 - 10 mm wide joints in indoor floors, parallel and in 15 cm distance from the walls in order to prevent the floor coating to be affected from the walls and to ensure its permanent adhesion to the floor. In application on mattress, the mattress must be clean and dry.

Temperature/ Moisture: During the application, ambient and floor temperature must be between 15°C and 30°C. Relative

General Purpose Mattress Coating for Indoor - Outdoor Sports Grounds

Highlights

StenSport[®] SEALER

- It is polyurethane based, two component.
- It contains no VOC.
- Pores must be completely filled and a leveled surface must be obtained.
- It is resistant to physical stresses and minor floor movements.
- It has high impact absorption, high resistance to piercing, tearing and abrasion.
- Its application is easy.
- It is non sag.
- It provides excellent adhesion.
- It cures fast; tack free time is short.
- Catalog colors are available.

humidity of the floor must be less than 75%. Detailed information on surface preparation is provided in "Surface Treatment: Floor Surfaces to be Coated" document.

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3.2. Primer

If **StenSport® SEALER PLUS** will be applied to rubber mattresses there is no need for any primer. Whereas if it will be directly applied on concrete, wooden or asphalt surface; it is helpful to use a primer suitable for the surface. Using primer is especially important in outdoor applications. When the primer is applied, it must be protected from contaminants and dust until the next layer is applied.

3.3. Application of the Sealer

Mixing the components is carried out by means of a low speed mixer. When component A is mixed in its container with the mixer component B is added on it. The components are mixed for 2 - 3 minutes more by paying attention that no air is entering into the mixture and it becomes completely homogeneous. Since this product is thick and thixotropic, extra care is required for mixing. The mixture is poured on the floor and applied by covering the surface using a jagged steel or plastic screed rail. Pores must be completely filled and a leveled surface must be obtained. If the system is designed as it requires a thick application, application process is carried out by means of height adjusted gauge. Material to be applied at once must be in maximum 2 mm thickness. Subsequent layer must not be applied before the previous layer becomes tack free, however it must be applied before the previous layer completely cures.

3.4. Application Tools

Screed rail / Trowel: Straight and baseboard screed rails made of steel are used.

4. Cleaning

Used equipment and tools must first be wiped and then cleaned using a solvent.

StenSolver CL can be used for cleaning of the application equipment.

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 moisture. The materials must be kept far from open fire and sources that may create fire hazard. Stored in these conditions, the shelf life is 12 months.

7. Maintenance

All **Stenkim®** products are available in specified quality and conditions. The company may have no information regarding the use of the customer, concrete or other surfaces used, application, storage and mixing conditions and accepts no liability whatsoever due to these conditions.

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 Polyurethane
Solids Content %		100
Application Thickness		0,3-0,1mm
Color		Color Catalog
Density		1.33±0.05 g / cm ³
Durometer Hardness(Shore)	ASTM D 2240	A55-65
Maximum Elasticity Modulus		15 MPa
Tear Strenght	ASTM D 624 Die C	70 N/mm
Elongation at Break	ASTM D 412 Die B	40%
Abrasion Resistance	ASTM D 4060, Taber dry CS10/100 rev/1kg	10 mg
Abrasion Resistance	ASTM D4060, Taber dry H18/1000 rev /1kg	500 mg
Pot Life of the Mixture @20°C		30 minutes
Tack Free Time @20°C		3 hours
Cure Time for Light Trafficability @20°C		24 hours
Cure Time for Sportive Use @20°C		4-5 days

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