

StenSport[®] BINDER PU

1. Product Profile

StenSport[®] BINDER PU is polyurethane based, elastic, single component solvent free binder produced for sports grounds which can also be used as mattress adhesive in seamless floor applications. It is resistant to chemicals, physical stresses and minor floor movements.

StenSport[®] BINDER PU is available in 20 kg plastic cans and 220 kg barrels.

2. Uses

It is used in adhesion of materials with similar or different surface structures. It is suitable for places with underfloor heating. StenSport[®] BINDER PU can be used at all kinds of sports grounds. It is also used in outdoors synthetic floor applications or indoors floor coatings, as the binder of the shock absorbent layer composed of the binding of rubber granules as well as in adhesion of ready-made rubber granule mattresses.

It provides a strong but elastic adhesion for all major floor coating materials and shock absorbent mattresses, tiles on all kinds of floors. It is used in adhesion of heat and sound insulation tiles, rubber sheets, wooden inlays and laminated tiles to all kinds of floors and to each other.

3. Application

3.1. Surface Preparation

It is very important to prepare the surface in a correct and proper manner. Substrates must be free of oil, dry and clean.

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

General Purpose, Granule and Mattress Binder for Indoor - Outdoor Sports Grounds

Highlights

StenSport[®] BINDER PU

- It is polyurethane based, single component.
- It contains no VOC.
- It is used as the binder of rubber granules in the shock absorbent layer.
- It is used in adhesion of mattresses used in seamless floor applications.
- Structures of the surfaces to be adhered can be similar or different.
- It is resistant to chemicals, physical stresses and minor floor movements.
- It can be easily applied floors with underfloor heating.
- It is elastic.
- It is multipurpose.
- It can be used on all kinds of indoor / outdoor floors.

3.2. Primer

It is helpful to use moisture resistant StenAst[®] 3EP as a primer on the concrete

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surface if **StenSport® BINDER PU** will be used in adhesion of rubber mattresses on concrete. There is no need for any primer in upper floor gymnasium applications where no moisture is present. 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. In other common applications, in adhesion of inlay, carpet, PVC; generally a primer is not required. A suitable primer must be selected if unusual conditions are present.

3.3. Application

Various methods are used according to the place and purpose of the application. Floor / mattress, surface / plate adhesions are attained by pressing the surfaces to each other, after the material is applied on one or both of the surfaces by means of a brush. Since the adhesive will cure by the moisture in the air, permeability of the surfaces affects curing time. When it is used in binding rubber granules to each other, dry rubber granules are taken in the mixer. **StenSport® BINDER PU** at a ratio of minimum 20 % is added on it and they are mixed. After all granules have been wetted, the material is set on the floor at desired thickness by manual or machine application. Applications carried out by using polyurethane binders and a suitable finisher ensure the best result. For further application on this layer curing must be complete.

3.4. Application Tools

Finisher (paving machine)
Screed rail / Trowel: Jagged 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

Damaged parts should be repaired. If required, please refer to our Technical Support service regarding this matter.

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	Result
Base Polymer	Single Component Polyurethane
Solids Content	% 100
Color	Deep Amber
Density	1.20±0.05 g/cm ³
Tack Free Time @20°C	6 hours
Cure Time for Light Trafficability @20°C	24 hours
Complete Cure Time @20°C	3-4 days

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