

# StenSport<sup>®</sup> ADHESIVE 2PU

## 1. Product Profile

StenSport<sup>®</sup> ADHESIVE 2PU is polyurethane based, elastic, solvent free two component adhesive produced for sports grounds, designed for adhesion of mattresses used in seamless floor applications to the floor. It is resistant to chemicals, physical stresses and minor floor movements.

StenSport<sup>®</sup> ADHESIVE 2PU is available in 10 kg sets.

## 2. Uses

It is used in adhesion of materials with similar or different surface structures. It is suitable for places with underfloor heating. It provides a strong but elastic adhesion for all major floor coating materials, tiles and shock absorbent mattresses on all kinds of floors. It is used in adhesion of heat and sound insulation tiles, rubber sheets, wooden inlay 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. 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 Mattress Adhesive for Sports Grounds

### Highlights

- It is polyurethane based, two component.
- 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 can also be used as the binder of rubber granules in the shock absorbent layer.
- It contains no VOC.
- It is resistant to chemicals, physical stresses and minor floor movements
- It can be easily applied floors with underfloor heating.
- It can be used at all kinds of indoors/ outdoors sports grounds.

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## 3.2. Primer

It is helpful to use moisture resistant **StenAst<sup>®</sup> 3EP** as a primer on the concrete surfaces when **StenSport<sup>®</sup> ADHESIVE 2PU** 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

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. The mixture is transferred to a separate application container. Do not use the mixing container as the application container. Unmixed portions cause problems. The mixture is poured on the floor and applied by jagged steel screed rails. The material to be adhered is placed on top it and pressed down with a sufficient force.

The mixture must not be left in the container; it must be applied on the surface immediately. Otherwise it may rapidly cure by getting hot in the container.

## 3.4. Application Tools

Screed rail / Trowel: Jagged screed rails made of steel are used.

## 5. Cleaning

Used equipment and tools must be cleaned using a solvent after being wiped. **StenSolver CL** can be used for cleaning of the application equipment.

## 6. 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.

## 7. Storage

The materials must be stored at storages with controlled temperature of 10 - 30°C, protected from sunlight and moisture. The materials must be kept far from open fire and sources that may create fire hazard. Stored unopened in these conditions, the shelf life is 12 months.

## 8. Maintenance

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

## 9. Company Liability

The information contained in this document is based on site experience of and laboratory tests done by **Stenkim<sup>®</sup>** and meant to give general information. It is the purchaser's responsibility to ensure applicability of products to their use. All **Stenkim<sup>®</sup>** 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<sup>®</sup>**.

**Stenkim<sup>®</sup>** reserves the right to update all information contained in this document without notice.

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## Technical Data

Property	Result
Base Polymer	2 Component Polyurethane
Solids Content %	100
Density	1.80±0.05 g / cm <sup>3</sup>
Tensile Modulus	≥2 N/mm <sup>2</sup>
Pot Life of the Mixture @ 20°C	30 minutes
Tack Free Time @ 20°C	1 hours
Cure Time for Light Trafficability @ 20°C	24 hours
Full Cure Time @ 20°C	7 days

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