

StenSport ADHESIVE 2PU



1. Product Description

StenSport® ADHESIVE 2PU is a polyurethane-based two-component, solvent-free adhesive manufactured for sports fields. It is flexible and designed to bond the mats used in seamless floor applications to the substrate. It is resistant to chemicals, physical stresses, and minor floor movements.

2. Uses

StenSport® ADHESIVE 2PU is used for bonding materials with similar or different surface textures. It is suitable for areas with underfloor heating. It provides strong yet elastic bonding of all major floor covering materials and shock-absorbing mats and plates to all types of substrates.

It is used for bonding thermal and sound insulation plates, rubber coatings, wood parquet flooring and laminated panels to all types of substrates and to each other. **StenSport® ADHESIVE 2PU** can be used on all types of sports fields. It is used both for bonding prefabricated rubber granule mats in outdoor synthetic track or indoor field applications, and as a binder for shock-absorbing layers created by bonding rubber granules together. **StenSport® ADHESIVE 2PU** is used for bonding parquet, linoleum, PVC plates, and similar floor covering materials to concrete, mosaic, tile, wood parquet flooring, asphalt surfaces, or other substrates.

3. Application

3.1. Surface Preparation

Proper surface preparation is of great importance. Both the bonding surface and the surface of the material being bonded must be dry, clean and free of grease. During application, the ambient, substrate, and material temperature must be between 15-30 °C.

The relative humidity of the substrate must not exceed 75%. Detailed information on surface preparation is provided in the "Surface Preparation" document.

3.2. Primer

If **StenSport® ADHESIVE 2PU** is to be used for bonding rubber mats to concrete, it is advisable to prime the concrete surface with moisture-resistant **StenAst® 2EP**. No primer is required in upper-floor indoor areas where moisture is not present. 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. In other normal applications, such as parquet, carpet, and PVC bonding work, primer is generally not required. An appropriate primer must be selected-based on special conditions if they apply.

Polyurethane Adhesive for Indoor and Outdoor Sports Fields

Highlights

- Used for bonding mats to the substrate in seamless floor applications
- The bonded materials may have similar or different surface textures
- Can also be used as a binder for rubber granules in the shock-absorbing layer
- Solvent-free
- Resistant to chemicals, physical stresses, and minor floor movements
- Can be easily applied on floors with underfloor heating
- Can be used on all surfaces and in indoor/outdoor sports fields



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3.3. Application

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 1-2 minutes, taking care that no air enters the mixture and that it becomes completely homogeneous.

The mixture is transferred to a separate application container. The container used to mix the components must not be used as the application container. Unmixed portions cause problems.

The mixture is poured onto the substrate and applied to the surface with notched steel screeds. The material to be bonded is placed on top and pressed down with an appropriate weight. The mixture must not be left in the container but must be applied to the surface immediately. Otherwise, it may heat up and harden quickly in the container.

3.4. Application Tools

Screed rail / Trowel: Notched 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.



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7. Technical Data

Property	Method	Result
Base Polymer		Two-Component Polyurethane
Solids Content (by weight)	EN ISO 3251	100%
Density	EN ISO 2811-2	1.8 ± 0.05 g/cm ³
Tensile Adhesion Strength		≥ 2 N/mm ²
Pot Life @20 °C		30 minutes
Tack-free Time @20 °C		1 hour
Time to Open to Traffic @20 °C		24 hours
Full Cure Time @20 °C		7 days
Shelf Life		1 year
Packaging		10 kg sets

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



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