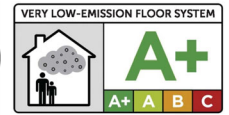


# EPI PU-Sport Indoor

PU-Sport System 600  
(4+2)



## Product Description

EPI PU-Sport system 600 is a durable, point-elastic sport floor construction suitable as a flooring system for indoor Sports areas. This system has optimal slip-resistance and shock-absorbing properties which makes it an ideal system to be used as a synthetic PU-Sport flooring system for Indoor Multifunctional Sports areas and ball game courts. EPI PU-Sport 600 system consists of a pre-fabricated shock pad that is made from >80 % recycled materials and is covered with a 2 mm elastic self-levelling polyurethane layer made from bio-based derived ingredients and sealed with a solvent-free wear resistant matte sealer. This system is designed as a multifunctional sport floor with point-elastic properties.

## Features

- Low maintenance & easy to clean
- Resistant against intensive sport traffic
- Excellent friction properties
- Optimal vertical ball behaviour
- Optimal shock absorption
- High endurance

## Application Areas

- Indoor sport areas
- Sport Schools
- Sport associations
- Gym associations

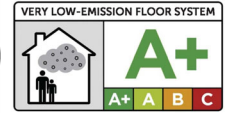
## Technical Characteristics

Compressive strength - elastic component	>6 N/mm <sup>2</sup>
Resistance to indentation (EN-1516)	≤ 0.09 mm after 24 hr
Resistance to impact > 800 grams (EN-1517)	≤ 0.5 mm No damage
Vertical deformation:	
- Shock mat Type Standard	≤ 2.0 mm
- Shock mat Type Trend	≤ 2.0 mm
Shock absorption:	
- Shock mat Type Standard	± 20 %
- Shock mat Type Trend	± 23 %
- Shock mat Type Premium	± 25 %
Vertical ball behaviour	≥ 90%
Surface hardness	SH-A80
Reaction to Fire (standard) + intermediate migration layer	C <sub>fl</sub> -S <sup>1</sup> B <sub>fl</sub> -S <sup>1</sup>
TVOC <sub>28</sub>	0,005 mg/m <sup>3</sup>
Friction dry (EN-13036-4) CEN rubber	SRT 104
Resistance to rolling loads	≥ 1500 N depth ≤ 0.5 mm
Resistance to wear	37 mg
Specular Gloss	≤ 15%
Optimal installation conditions	Ambient and substrate between 15°C and 28°C.
Relative Humidity	Max. 75%
Dewpoint	Minimal 15°C and 3°C above dewpoint

**Note:** The above physical properties were measured in accordance with the referenced standards. Samples of the actual floor system, including binder and filler, were used as test specimens. All sample preparation and testing is conducted in a laboratory environment, values obtained on field applied materials may vary.

# EPI PU-Sport Indoor

PU-Sport System 600  
(4+2)



## Certifications and Approvals

EPI PU-Sport system 600 has been assessed and tested conform the EN14904:2006 standard and meets the requirements set in this standard for point-elastic floors in universal indoor sport environments and is classified as;

EN 14904:2006 : Klasse P1

## Indoor Air Quality

EPI PU-Sport system 600 has been assessed and meet the requirements of the **Indoor Air Comfort Gold Label** after being tested in a series of extensive tests in the VOC emission chamber.

TVOC Norm value label:

Indoor Air Quality	TVOC Value
Very good	<0,3 mg/m <sup>3</sup>
Good	0,3 – 1,0 mg/m <sup>3</sup>
Average	1,0 – 3,0 mg/m <sup>3</sup>
Poor	3,0 – 10 mg/m <sup>3</sup>
Very Poor	>10 mg/m <sup>3</sup>

EPI PU-Sport system 600 meets all VOC specifications for indoor flooring in Europe.

## Colors

EPI PU-Sport 600 is available in 16 Standard colors, other colors on request.

## System build-up:

EPI PU-Sport system 600 has the following build-up:

- EPI PU-Sport primer\*
  - EPI PU-Sport Glue 1500
  - EPI PU-Sport Shock pad 4 mm
  - EPI PU-Sport Sealer
  - EPI PU-Sport Wear coat
  - EPI PU-Sport Top coat
- (\*depending conditions of the substrate)

## Theoretical Coverage

- EPI PU-Sport Glue 1500 0.6-1.0 kg/m<sup>2</sup>
- EPI PU-Sport Shock pad 4 mm
- EPI PU-Sport Sealer 0.6-0.8 kg/m<sup>2</sup>
- EPI PU-Sport 100 SLE/N ≤ 2mm 2.8 kg/m<sup>2</sup>
- EPI PU-Sport Top coat 0.15 kg/m<sup>2</sup>
- EPI PU-Sport Game Line paint\* 0.15 kg/m<sup>2</sup>

(\*Optional)

## Substrate Preparation

In General, the substrate must fulfil the relevant standards with special reference to flatness, gradients, thickness, load bearing capacity and water permeability.

Substrates to be coated have to be firm, dry, clean and free of loose and brittle particles and substances that impact the adhesion such as oils, grease, paint or other contaminations. Concrete substrates must be dry and a require a minimum cohesion strength of 1,5 N/mm<sup>2</sup> and a minimum compressive strength of 25 N/mm<sup>2</sup> at time of installation.

Existing joints in the concrete surface must be performed with a joint profile. The dimensions and details of these joints will need to be determined based on the function of the expected movements of the concrete floor.

Depending on the substrate a mechanical preparation (milling and/or vacuum blasting) is recommended for a good adhesion.

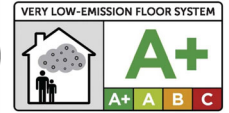
See EPI Tech line vol.02 EPI PU-Sport sub-floor conditions for more information.

## Residual Moisture tolerance

Prior to installation, mineral substrates must always be provided with a vapor barrier and must not exceed 4 % decreasing residual moisture content measured by the Calcium Carbide method, which corresponds to maximum 75 % relative humidity according to ASTM F2170. If using the calcium chloride test, the maximum allowable vapour emissions is 4.0 lbs as per ASTM F1869.

# EPI PU-Sport Indoor

PU-Sport System 600  
(4+2)



## Application PU-Sport system 600

### General:

- Before installation, always check all relevant documentation and check that all components are present in the required quantities.
- Large temperature differences should be avoided as this can adversely affect the end result.
- The area must be wind and watertight: avoid drafts and penetration of moisture, dust, water, etc..
- Preferably remove doors that have no free space. Protect walls, columns and walls from splashes.
- Retain the floating character of floating screeds

## Installation EPI PU-Sport system 600

For a correct installation of the EPI PU-Sport 600 system, please refer to the installation directions. This is available on request from EPI Sports & Rubber Surfaces B.V., please contact your local representative.

## Transport and Storage conditions

Store all components in closed packaging, away from the ground. Temperature between +5°C and 30°C. Dry room, avoid direct sunlight. Protect liquid components against frost (also during transport).

## Shelf Life

See technical product data of system components for more information.

## Cleaning and Maintenance

In order to maintain an optimal skid resistance, regular cleaning is required.

## Waste

Attention! Too much residual material in the packaging can become hot due to an exothermic reaction and cause smoke nuisance. Therefore never leave more than 100 grams of mixed product in the packaging and place the packaging in a safe and well-ventilated place. If there is more residual material, add a generous amount of sand to inhibit the exothermic reaction.

## Safety Precautions

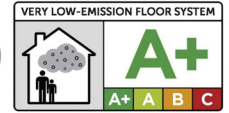
In cured state, the EPI Sport system 600 is physiologically harmless. Please refer to the Material Safety Data Sheets for detailed safety instructions for the use of personal protective equipment while handling the materials.

## Work Safety

The Safety data sheets of system components applies to the components A and B. These sheets have been drawn up in accordance with the latest European legislation.


# EPI PU-Sport Indoor

PU-Sport System 600  
(4+2)



## CE Marking

The harmonized European standard EN 14904 „Surfaces for sports areas” specifies the requirements for indoor surfaces for multi-sports use fall under this specification, they have to be CE labeled as per Annex Table ZA.1 and 3b and fulfill the requirements of the given mandate of the Construction Products Regulation no. 305/2011.

	
EPI Sports & Rubber Surfaces B.V. Duikboot 1 – 7 3991 CK, Houten	
11	
EN 14904:2006	
Synthetic Sport floor system with a shock-absorbing underlay for use in sports buildings and facilities	
Reaction to Fire	C <sub>fl</sub> -S <sup>1</sup>
Release of corrosive substances	SR
Friction	104
Shock-absorption	≤ 25 %
Formaldehyde	Class E1
NPD: No Performance Determined	

EPI PU-Sport 600 system 29/08/2022

EPI-Synthetic Surface Materials B.V. applies the quality control system in conformity with NEN- ISO 9001 / 14001. This means that the products delivered meet the product and quality specifications of this system. Advice given by us with regard to the technical application, whether orally, in writing, or by means of tests, is given to our best knowledge, however without obligation, also with regard to possible protected rights of third parties. This does not relieve the applicator/ user of the obligation to check the products supplied by us as to their suitability for the envisaged aims. The application, use and wear of the products take place beyond our control. Therefore they are your own responsibility. For all claims our own responsibility will be limited to the value of the goods supplied by us and used by you. It is understood that we guarantee the good quality of our products, all this in accordance with the standards referred to in our terms and conditions of sale and supply. All orders are executed under the latest terms and conditions of sale and supply. Users must always consult the latest edition of the product and material safety data sheet before using the relevant product. Copies hereof are made available upon request. EPI-Sports & Rubber Surfaces b.v. retains the right to alter product specifications and product properties.