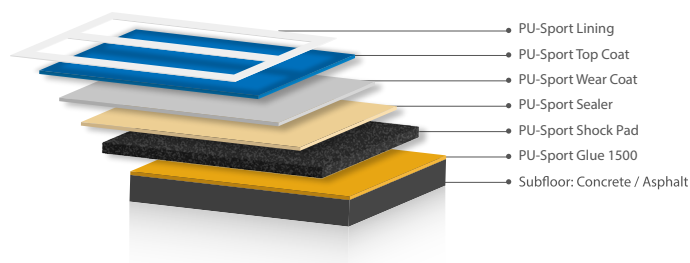


# EPI PU-SPORT

## Installation Guidelines

### Build up PU-Sport



### Substrate/Application Conditions

The substrate for PU-Sport multifunctional sports flooring systems should be concrete or asphalt. No curing agents are to be applied to the concrete slab. The substrate should be flat (it shall not vary in level by more than 3mm measured under a 3 meters straight edge, measured in any direction), dry (moisture content of the concrete slab of 3% or less) and free of oil, grease and dust. The concrete should cure for 60 days and the concrete, and all sub-floors, shall be adequately waterproofed, beneath and on all sides. The temperature of the material, the air and the substrate, while installing, should be between 12 and 30°C. The relative humidity should not be higher than 75%.

### System Description

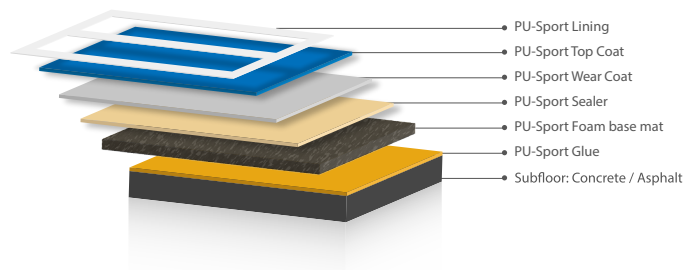
The seamless point-elastic PU-Sports surface system consists of a PU-Sport Shock-Pad and varies in thickness (4-12 mm). For maximum adhesion a suitable primer can be used first. The prefabricated rubber rolls are glued to the substrate, after which the topside of the rubber is sealed with a PU-Sport Sealer. On top of the sealer a 2.0 mm thick elastic PU-Sport Wear Coat of high mechanical strength and a wear resistant mat coat finish is applied.

The optional glassfibre reinforcement netting, to be installed within the pore-sealer, provides maximum load distribution and makes the system suitable for many more purposes.\*

PU-Sport systems are tested according to the requirements of DIN 18032 part II and EN 14904

\* EPI PU-Sport 1300 Foam & other thicker systems

### Build up PU-Sport Foam



### Mixing- and Application Guidelines

No smoking, open flames or sparks from electrical equipment or any other source can be permitted during the installation process, or in areas where materials are stored.

#### 1. Primer: PU-Sport Primer

##### General

PU-Sport Primer is a solvent-free two-component transparent primer based on Epoxy resins. This primer can be applied on clean, dry, mineral surfaces only. The surface should be free of grease. PU-Sport Primer is not applicable on asphalt. The potlife of the PU-Sport Primer is approximately 40 minutes at 20°C and can be painted over after 12-14 hours at 20°C.

##### Mixing instructions

Add the B-component to the resin A-component and mix the two components with a slow-turning mixer during 3-5 minutes until it is a homogeneous mixture. Start mixing slowly at the bottom and mix a little higher in the can every minute. Repeat this a few times. Do not use unmixed rests of the material.

##### Installation

Pour the mixture at the surface little by little, or work out of a square bucket and apply the PU-Sport Primer with a roller of about 25 cm at a minimum rate of 0.25 kg/sq. M. Allow PU-Sport Primer to cure for at least 12-14 (at 20°C ) hours before proceeding with the PU-Sport Glue 1500.

# EPI PU-SPORT

## Installation Guidelines

### 2. Adhesive; PU-Sport Glue 1500

#### General

This Glue is a solvent-free two-component polyurethane adhesive, to be applied on mineral surfaces. The mineral surface in some cases has to be treated with a primer first (see 1). The pot-life of PU-Sport Glue 1500 is approximately 40 minutes at 20°C.

#### Mixing instructions

Add the B-component to the resin A-component and homogenise the 2 components with a slow-turning mixer during 3-5 minutes. Start mixing slowly at the bottom and a little higher in the can every minute and repeat this a few times. Do not use unmixed rests of the material.

#### Installation

Apply the Glue-mixture to the surface and divide it at a average rate 0,6 - 0,7 kg/sqm (on concrete) using a notched trowel or a toothed spatula. After this see 3. The actual usage depends heavily on the quality of the sub-floor, especially when no PU-Sport primer has been used first.

### 3. Base Mat (Resilient); PU-Sport Shock Pad or Foam

#### General

The PU-Sport Shock Pad is consisting of special fine granulated rubber of high quality. The rubber underlayments come in various thicknesses: 4-12 mm.

#### Installation

Unroll the PU-Sport Shock Pad into the freshly applied PU-Sport Glue 1500. Seams have to be in virtual contact with absence of compression fit. Cut neatly around any fixed objects. Roll the surface of the base mat with a medium-size roller. Allow the rubber mat to bond to the sub-floor for at least 12 (at 20°C) hours before proceeding.

### 4. Sealer; PU-Sport Sealer

#### General

The pore-sealer is a solvent-free two-component polyurethane, to be applied on the PU-Sport Shock Pad. (optional special reinforcement netting can be put into the pore-sealer. Place, before using the sealer, the reinforcement netting\* over the surface of the base mat, with overlapping edges of minimum 5 cm.)

The pot-life of PU-Sport Sealer is approximately 25 minutes at 20°C.

\* EPI PU-Sport 1300 Foam & other thicker systems

#### Mixing instructions

Add the B-component to the resin A-component and homogenise the 2 components with a slow-turning mixer during 3-5 minutes. Start mixing slowly at the bottom and a little higher in the can every minute and repeat this a few times. To avoid mixing errors, the mixture should be poured in an empty clean can and be re-mixed for 1 minute. Do not use unmixed rests of the material.

#### Installation

Apply the PU-Sport Sealer at a average rate of 0.6 kg/sqm. to the surface and cover the joints using a straight trowel. Allow the sealer to cure for at least 12 hours (at 20°C) before proceeding.

### 5. Wear Coat; PU-Sport Wear Coat

#### General

This PU-Sport Wear Coat is solvent-free and consists of two-components. The pot-life of PU-Sport Wear Coat is approx. 20 minutes at 20°C.

#### Mixing instructions

Mix the A-component first, then add the B-component to the resin A-component and homogenise the two components with a slow-turning mixer during 3-5 minutes. Start mixing slowly at the bottom and a little higher in the can every minute. Repeat this a few times. To avoid mixing errors, the mixture should be poured in



# EPI PU-SPORT

## Installation Guidelines

an empty clean can and be re-mixed briefly. Do not use unmixed rests of the material.

### Installation

PU-Sport Wear Coat should be applied at a average rate of 2.7 kg/Sqm in a total thickness of 2 mm, being applied in two applications so that any irregularities that occur in the first application (0,8 –1,0 mm) can be corrected in the second application (1,2-1,00 mm). Apply the mixture to the surface dividing it equally using a 'Swedish Knife' or a straight trowel. Allow the first layer of PU-Sport Wear Coat to cure for at least 12 hours (at 20°C) before proceeding with the final layer.

### 6. Top Coat; PU-Sport Top Coat

#### General

This special mat finish coating is a two-component polyurethane for application on the second cured layer of PU-Sport Wear Coat. The pot-life of PU-Sport Topcoat is approximately 90 minutes at 20°C.

#### Mixing instructions

Mix the A-component first, then add the B-component to the resin component and homogenise the two components with a slow-turning mixer during 3-5 minutes. To avoid mixing errors, the mixture should be poured in an empty clean can and be re-mixed briefly. Do not use unmixed rests of the material.

#### Installation

Pour the mixture at the surface little by little, or work out of a square bucket and apply the topcoat with a nylon roller of about 25 cm at an average rate of 0.150 kg/Sqm. To avoid striping, please re-roll without pressure with a large (50 cm) and dry roller. Allow the Topcoat to cure for at least 12-14 (at 20°C) hours before proceeding.

### 7. Lining; PU-Sport Lining

#### General

The PU-Sport Lining is a two-component polyurethane for application on the mat finish Topcoat. The pot-life of PU-Sport Lining is approximately 90 minutes at 20°C.

#### Mixing instructions

Mix the A-component first, then add the B-component to the resin component and homogenise the two components with a slow-turning mixer during 1-3 minutes. To avoid mixing errors, the mixture should be poured in an empty clean can and be re-mixed briefly. Do not use unmixed rests of the material.

#### Application

Games lines and floor graphics shall be laid out and painted in accordance with the approved drawings. Apply the mixed PU-Sport Game Line Paint to the cured surface of the Topcoat with a brush or a suitable small roller. Allow the EPI Game Line Paint to cure for at least 36 hours (at 20°C).

All equipment should be cleaned before the cure of the material with a solvent. The cured material can be removed mechanically.

**No heavy traffic or other trades can be allowed on the surface for a period of one week following completion to allow for complete and proper cure of the finish.**