

POLYSPORT PU 951

POLYURETHANE-BASED, TWO-COMPONENT, SELF-LEVELING SPORTS COATING

GENERAL CHARACTERISTICS

POLYSPORT PU 951 is a polyurethane-based, two-component, self-leveling sports coating for sports surfaces.

POLYSPORT PU 951 has excellent mechanical properties; like high impact and abrasion strength and resistance to acidic, basic solutions and most of the chemicals. According to DIN 4102 standard, its flammability degree is B2; normal combustibility. But with suitable agents

POLYSPORT PU 951 can be prepared as a flame resistant product which has a flammability degree of B1; difficult to ignite (no drop, no smoke).

- It is applied on prefabricated subfloors of sports flooring such as **ISOPOL 854** or wet-pour rubber cushion mix of SBR rubber and **PU BINDER 1118** after they are sealed with elastic pore sealer **POLYSPORT STUCCO 950**. Combines finally with matt, polyurethane finish paint **POLYSPORT MAT 952** for the creation of a multilayer polyurethane floor especially designed for sport halls such as tennis, basketball, handball, volleyball and multipurpose halls.
- Applies easily with trowel, providing excellent self-leveling properties.
- Highly flexible and elastic contributing in the athletic performance of the flooring.
- Non shrinking, non flammable.

TECHNICAL DATA

Mixing Ratio (By weight)	6 : 1
Mixing Ratio (By volume)	4 : 1
Density (20°C) mixture	app. 1,62±0.1 gr/cm ³
Density (20°C) Comp. A	app. 1,80±0.1 gr/cm ³
Density (20°C) Comp. B	app. 1,22±0.05 gr/cm ³
Pot-life (23°C)	40 min.
Hardness (Shore A)	70
Application temperature	Min 5°C
Curing (20°C and %60 relative humidity)	After 6 hours you can apply second coat. After 12 hours you can walk. After 7 days it resists against mechanical load and chemical substances.
Color	Colors in Ral catalog

PREPARATION-APPLICATION

Applied only on dry surfaces, protected from arising humidity.

The success in the application depends on the right preparation of the underlay and use of the material.

- **Good, dry** cleaning of the surface from dust and residues using vacuum cleaner and squeegees.
- Caution must be taken so that temperature of the support surface as well as ambient air remains above 15°C during application and curing of the materials while relative humidity does not exceed 75%.
- Application of prefabricated sub-floor **ISOPOL 854** using **PU FLEX 140** or **PU FLEX 141** or wet-pour rubber cushion mix of SBR rubber and **PU BINDER 1118**.
- Sealing of surface porosity of **ISOPOL 854** using elastic pore sealer **POLYSPORT STUCCO 950**.
- Care should be taken that the porosity of prefabricated subfloor **ISOPOL 854** using **POLYSPORT STUCCO 950** is eliminated to avoid surface defects on the final surface of **POLYSPORT PU 951**.
- The next day, depending ambient temperature, follows application of **POLYSPORT PU 951**. Components A (resin) & B (hardener) packed into separate containers in fixed weight proportions are mixed together using a low revolution mixer (300-600 rpm) for 1-2 min. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve uniform dispersion of the hardener. The resin component should be thoroughly stirred to incorporate any slight separation, whilst continuing stirring the contents of the hardener container should be added. Continue stirring until a

homogeneous mix is obtained. The mixed material must be used within 30-40 minutes of mixing at 20°C.

- The polyurethane mixture is poured on the floor and spread using notched trowel.
 - Following the application of **POLYSPORT PU 951**, the self-leveling layer should be rolled using a special spiky-roller in order to release any possibly entrapped air and avoid the formation of bubbles. Sanding of the surface should be done after drying
 - The next day, depending ambient temperature follows application of finishing matt paint **POLYSPORT MAT 952**.
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CONSUMPTION

1,4-1,5 kg is used per m² for 1 mm. Thickness (depends on the surface absorbance).

APPLICATION TOOLS

Trowels. Tools should be cleaned with **PU SOLVENT** immediately after use.

PACKAGING

Supplied in set of 21 kg (two drums). Components A and B have the fixed weight proportion.

STORAGE

12 months in unopened containers in dry places with minimum temperature 5°C and maximum temperature 28 °C.

REMARKS

- Working time of **POLYSPORT PU 951** decreases when ambient temperature rises.
 - Prolonged storage of partially used containers containing **POLYSPORT PU 951** must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.
 - All surfaces should be thoroughly cleaned from dust and residues prior each application.
 - After hardening **POLYSPORT PU 951** is completely safe for health.
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CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water. Flammable before application.

For more information consult the material safety data sheet.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of KDF LTD.