



## CONSUMPTION

1 – 1.5 kg/m<sup>2</sup> depending on the sub-floor and type of floor covering.

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## APPLICATION TOOLS

V - Notched trowels (2mm). Tools should be cleaned with **PU SOLVENT** immediately after use.

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## PACKAGING

Supplied in set of 24 Kg.

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## STORAGE

One year in unopened containers in dry places with minimum temperature 5°C and maximum temperature 30°C (avoid sunlight).

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## REMARKS

- Working time of **PU FLEX 140** decreases when ambient temperature rises.
  - Avoid application of **PU FLEX 140** during rain, moist or foggy weather.
  - Prolonged storage of partially used containers containing **PU FLEX 140** must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.
  - When laying flooring over an underfloor heating system, caution must be taken so that the heating system is left in full operation for at least 8-10 days before the application. The screed must be dry prior application. Before laying, however, the heating system must be switched off or reduced, so that a surface temperature of 20-22 °C is not exceeded.
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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.

**For more information consult the safety data sheet.**

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## ISOPOL 854 SHOCK ABSORBENT UNDERFLOOR

### GENERAL CHARACTERISTICS

Elastic, prefabricated roll made of polymerically bound recycled rubber particles for shock-absorbency, in thickness of 3mm up to 14mm. It is covered with the acrylic coating **ELASTOTURF 851** or self-leveling PU coating, in thickness of 2mm, for the creation of athletic floorings for interior & exterior surfaces like basketball, volleyball, handball, football and tennis courts as well as for playgrounds. The point elastic sport surface possess good elasticity and force reduction characteristics as well as fulfilling a protective function for the athletes' joints and muscles. Its special cushion properties are indeed recommended for multipurpose.

**Suitable for external & internal courts with acrylic top coatings, internal halls with PU top coating, gyms, cross-fit areas and generally areas which need elastic flooring. Ideal also as sub-floor for athletic tracks.**

- ✓ Offers noise abatement
- ✓ Slip resistant
- ✓ Fire resistant
- ✓ Environmentally friendly
- ✓ Flexible
- ✓ Resistant against moisture, heat and mildew
- ✓ Easy application

### PREPARATION- APPLICATION

The sub-surface on which the material will be installed must be completely dry and clear of all foreign matter and free of dust, dirt, oil or any kind of spills.

The material surface will follow the contours of the sub-surface, which it covers. The smoother the sub-surface, the better the shock-absorbent material surfacing finishes.

Place the **ISOPOL 854** rolls on the floor in their final positions without gluing them. Lift each side of each roll and apply the PU glue by a V-notch trowel with 2mm teeth and then glue the rolls immediately without waiting.

In case there are small bulges (humps, swollen parts) on the roll after its application, you'll have to tear it around the edge of the hump without removing it completely, raise that small part, put some PU glue underneath and glue the hump part again, making sure this time it's flat. Weights such as sand bags have to be used on the edges, corners and seams of the shock absorbent roll surface installation until the PU glue is cured. Then you let everything dry.

Do not overlap the rolls but bring them as close together as possible to eliminate gaps. The usage of a light cylinder (10-15kg maximum) will help to compact the rolls on the floor.

It is recommended that the joints (only) are covered flush with ELASTOTURF 851 or PU FLEX

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140 with a flat trowel (or a brush) along their whole length, so that the surface is leveled out. Next day the joints are ground lightly with sandpaper or other grinding device to smooth out the joints with the rest of the surface and create the required roughness.

**COLOR** Black.

**SURFACE** Fine tuned granules structure.

**DIMENSIONS** Rolls Width : 1050mm, 1250mm or 2100mm  $\pm$  1.5%  
Rolls Length according to demand.

**THICKNESS** 4- 14mm  $\pm$  0.3mm

**DENSITY** 730 kg/m<sup>3</sup>  $\pm$  5%

**TECHNICAL DATA**

Tensile strength: approx.0,56 MPa at 7mm: approx. 0,65 MPa at 10mm (DIN EN ISO 1978)

Elongation at break: approx.57% at 7mm: approx. 60% at 10mm (DIN EN ISO 1978)

Force reduction\*:  
8 mm Isopol 25 %  
10 mm Isopol 30 %  
(Value for mats only, not on complete floor)

Vertical deformation\*: 1,2 mm at 8 mm Isopol

\*Values measured on a sport hall system sample.

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## ELASTOTURF 851S - SMOOTH

SPECIAL, ELASTIC, SMOOTH COATING FOR INTERNAL SPORT COURTS

### GENERAL CHARACTERISTICS

**ELASTOTURF 851S** is acrylic-based, elastic, smooth colored coating for internal sport courts.

Is combined with prefabricated shock- pad roll in thickness of 4mm to 14 mm or a wet-pour mixture of **SBR granules** (0.5 – 2.0 mm granulometry) **plus PU BINDER** in order to seal the pores and plasticize the floor.

- Ideal for multipurpose courts, basketball, volleyball, handball, football and tennis internal courts. Suitable for sports centers, schools, fitness centers, hallways.
- Applied easily, having low cost.
- Provides a safe, high quality game.

### TECHNICAL DATA

Basis:	one-component acrylic resin
Appearance:	viscous liquid
Colors:	available in 24 colors form KDF colorchart
Temperature for the application and drying of the material:	10 – 40 °C
Viscosity:	22.000 – 32.000 mPa•s at 25°C
Density	1.70 – 1.80 Kg/Lt
Walkability:	after 24 hours at 25°C
Total Hardening:	5 days at 25°C

### PREPARATION-APPLICATION

**Applied only on dry surfaces, without rising humidity issues and free of materials that might prevent bonding e.g. dust, loose particles, grease etc.** 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 with vacuum cleaner and squeegees.
- Application of the material (in three or more layers) on prefabricated shock-absorbent rolls in thickness of 4mm to 14mm or on wet-pour made from the mixture of **RECYCLED RUBBER 858 (0.5 -2.0 mm granulometry)** and **PU BINDER 1118** (in three or more layers), for sealing the pores of the underlay and plasticize the surface.

- Depending on the ambient temperature, **ELASTOTURF 851S** is diluted with 2-3% water, prior to application, in order to achieve better fluidity. The next layer is applied after the previous starts to dry.
- Before the application of the second layer and after the application of the final layer (before applying **TOP COAT POLYSPORT 952**), always use a sanding machine.
- The next day, depending on the ambient temperature follows the application of **TOP COAT POLYSPORT 952** in 2 crossing layers by a short-haired mohair roller or even better by airless sprayer.

## CONSUMPTION

- 2.2 – 2.5 kg/m<sup>2</sup> (three layers on shock-pad)
- 3.5 – 3.8 kg/m<sup>2</sup> (three layers on wet-pour shock-pad)

## APPLICATION TOOLS

Squeegee. Tools should be cleaned with **WATER** immediately after use.

## PACKAGING

Supplied in barrels of 200 Kg.

## STORAGE

12 months in unopened containers in dry places with minimum temperature 5°C and high temperature 30°C (avoid sunlight).

## REMARKS

- During temperatures over 38°C, ideal time for the application of **ELASTOTURF 851S** is between 22:00-9:00 a.m. and the minimum bearing temperature during application and drying should be 10°C.
- The freshly coated surface should be protected from high temperatures and frost for at least the first 24 hours.
- In case it gets damaged, it is simply repaired and recoated on the spot.

## 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.

**For more information consult the safety data sheet.**

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## POLYSPORT 952-SEMIMAT

POLYURETHANE-BASED, TWO-COMPONENT, SEMIMAT, FINISH ALIPHATIC COATING

### GENERAL CHARACTERISTICS

**POLYSPORT 952-SEMIMAT** is a polyurethane, two-component, solvent-based, semi-mat, finish aliphatic coating for indoor sports surfaces.

- It is applied on polyurethane, self-leveling coating **POLYSPORT PU 951** as a final, sealing layer of a multilayer polyurethane floor especially designed for sport halls such as tennis, basketball, handball, volleyball and multipurpose halls.
- Applies easily with short-haired mohair roller and airless sprayer.
- Provides a surface with anti-slip properties.

### TECHNICAL DATA

Basis:	two-component polyurethane paint
Appearance:	liquid
Colors:	KDF colorchart
Viscosity(25°C):	1000-3500 mPas
Density(25°C):	1.38-1.48 kg/lit
Mixing proportion (A:B):	85:15 by weight
Temperature for the application and drying of the material:	15 – 40°C

### PREPARATION-APPLICATION

**Applied on dry surfaces without rising humidity issues, free of materials that might prevent bonding e.g. dust, loose particles, grease etc (in case of asphalt or concrete).** 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 wet-pour rubber cushion mix of SBR rubber and **PU BINDER 1118**.
- Sealing of surface porosity of **ISOPOL 854** or the wet-pour rubber cushion mix of SBR rubber and **PU BINDER 1118** using elastic pore sealer **POLYSPORT STUCCO 950** and application of self-leveling coating **POLYSPORT PU 951**.
- The next day, depending on the ambient temperature follows the application of **POLYSPORT 952-SEMIMAT** in two crossed layers. The second layer is applied after the

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