

## ELASTOTURF 851

SPECIAL, ELASTIC, COATING FOR EXTERNAL SPORT FIELDS

### GENERAL CHARACTERISTICS

**ELASTOTURF 851** is acrylic-based, elastic, colored, non-slip coating for external sport fields.

- Applied on asphalt and cement waterproofed surfaces without rising humidity issues, following the application of **ELASTOSPORT 853** or **SUPER ELASTOCOAT 842**.
- It can be also combined with prefabricated shock-absorbent rolls in thickness of 4mm to 14mm or a rubber mixture of **SBR granules plus PU BINDER**.
- Ideal for basketball, volleyball, handball, football and tennis external courts. Suitable for sports centers, schools, fitness centers, pavements, hallways.
- Applied easily, having low cost.
- Provides a safe, high quality game.

### TECHNICAL DATA

Basis:	one-component acrylic resin
Appearance:	viscous liquid
Colors:	in 24 colors form KDF colorchart
Viscosity:	15.000-22.000 mPa·s at 25°C
Density:	1.70 - 1.80 kg/lt
Temperature for the application and drying of the material:	10 – 40° C after 24 hours at 25°C
Walkability:	5 days at 25°C
Total Hardening:	

### 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.
- Priming of the surface, except in case of using shock-absorbent rolls, with bonding resin primer **RITIVEX 1102** for the proper adhesion of the sub-floor. Application of one or more layers until the surface is saturated. Avoid the creation of puddles of the material.
- When the primer dries (approximately 1 hour depending on the ambient temperature), follows the application of **ELASTOSPORT 853** for sealing the pores of underlay. Alternatively, the substrate can be prefabricated shock-pad in thickness 4-14mm or an in-situ rubber shock-pad of **SBR granules plus PU BINDER**.
- As soon as **ELASTOSPORT 853** or **SUPER ELASTOCOAT 842** dries, follows the

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application of **ELASTOTURF 851**.

- Depending on the ambient temperature **ELASTOTURF 851** is diluted to 2-3 % water, prior to application, in order to achieve better fluidity. It is applied, in two or more coatings depending on the desirable thickness. The next layer follows the other after the previous is dry.
- The next day, depending ambient temperature follows application of finishing paint **ELASTOMARK 818**.

## CONSUMPTION

- 1.5 kg/m<sup>2</sup> of **ELASTOTURF 851** (three layers, for System Sportfloor – Ex Hard Court).
- 1.8 kg/m<sup>2</sup> of **ELASTOTURF 851** (three layers, for System Flexfloor - Ex).
- 2.2 – 2.5 kg/m<sup>2</sup> of **ELASTOTURF 851** (three layers, for System Polyflex AEL - Ex).
- 3.5 – 3.8 kg/m<sup>2</sup> of **ELASTOTURF 851** (three layers, for System Wet Pour Polyflex AEL - Ex).

In case of using the top coat ELASTOMARK 818 as final layer then the consumption of ELASTOTURF 851 will be:

- 1 kg/m<sup>2</sup> of **ELASTOTURF 851** (two layers, for System Sportfloor – Ex Hard Court).
- 1.3 kg/m<sup>2</sup> of **ELASTOTURF 851** (two layers, for System Flexfloor - Ex).
- 1.7 – 2 kg/m<sup>2</sup> of **ELASTOTURF 851** (two layers, for System Polyflex AEL - Ex).
- 3 – 3.3 kg/m<sup>2</sup> of **ELASTOTURF 851** (two layers, for System Wet Pour Polyflex AEL - Ex).

## APPLICATION TOOLS

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

## PACKAGING

Supplied in barrels 200 Kg.

## STORAGE

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

## REMARKS

- In case of extremely rough and sharp cement or asphalt surfaces it is recommended grinding of the surface with a mosaic machine, sandblast or rotor machine before the application of **ELASTOSPORT 853**.
- During temperatures over 40°C, ideal time for the application of **ELASTOTURF 851** is between 22:00 - 9:00 a.m., and the minimum bearing temperature during application and

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Sports Flooring Systems & Building Materials

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drying should be 10°C.

- The freshly coated surface should be protected from high temperatures, wind, rain 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.**

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.

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