

ELASTOTURF 851-CON

CONCENTRATED ACRYLIC RESINS USED FOR THE CREATION OF COLORED, ANTI-SLIP
ELASTOTURF 851

GENERAL CHARACTERISTICS

ELASTOTURF 851-CON is a concentrated acrylic-based material that is mixed with round quartz sand (0.1 – 0.4 mm) in order to create colored, non-slip sport grounds.

- Applied on matured asphalt surfaces or cement waterproofed surfaces without rising humidity issues following the application of **ELASTOSPORT 853**.
- It is recommended mixing of **ELASTOTURF 851-CON** with quartz sand and water in ratio of 1,5 part of **ELASTOTURF 851-CON** (43%), 1,5 parts of quartz sand (43%) and 0,5 parts of water (14%) by weight.
- Ideal for basketball, volleyball, handball, football and tennis external courts. Suitable for sports centers, schools, fitness centers, pavements, hallways.
- Applied easily, having a low cost.
- Provides a safe, high quality game.
- For the creation of lines in sport courts it is recommended the use of acrylic paint **ELASTOMARK 818** in any desirable color.

TECHNICAL DATA

Basis:	one-component acrylic resin
Appearance:	viscous liquid
Colours:	KDF colorchart
Viscosity:	20000-30000 mPa•s at 25°C
Density:	1.2 – 1.3 Kg / Lt
Temperature for the application and drying of the material:	10 – 40°C
Walkability:	after 24 hours at 25°C
Total Hardening:	5 days at 25°C

PREPARATION- APPLICATION

Applied only on dry surfaces. Protected from rising humidity 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.
- Priming of the surface, except in case of using shock-absorbent rolls, with joining resin **RITIVEX R LIQUID 1102** for the proper adhesion of the sub-floor. Application of the material

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in one or more layers until the surface is saturated. Avoid the creation of puddles of the material.

- When the primer begins to dry (approximately one hour depending on the ambient temperature), follows the application of **ELASTOSPORT 853** for sealing the pores of the underlay. Alternatively, the substrate can be a prefabricated shock-pad in thickness 4-12 mm or an in-situ rubber shock-pad of **SBR plus PU BINDER**.
- As soon as the material dries (within 5-6 hours at 25°C), follows the application of **ELASTOTURF 851-CON** mixed with quartz sand and water, in ratio of 1,5 part of **ELASTOTURF 851-CON** (43%), 1,5 parts of quartz sand (43%) and 0,5 parts of water (14%) by weight.

CONSUMPTION

- System **SPORTFLOOR-EX-R**: 0.63kg/m² of **ELASTOTURF 851-CON/H** for three layers plus 0.63kg/m² of quartz sand, for 1.47kg of final product
- System **FLEXFLOOR-EX-R**: 0.75kg/m² of **ELASTOTURF 851-CON/H** for three layers plus 0.75kg/m² of quartz sand, for 1.75kg of final product
- System **POLYFLEX AEL-EX-R**: 1.07kg/m² of **ELASTOTURF 851-CON/F** for three layers plus 1.07kg/m² of quartz sand, for 2.5kg of final product
- System **WET-POUR POLYFLEX AEL-EX-R**: 1.5kg/m² of **ELASTOTURF 851-CON/F** for three layers plus 1.5kg/m² of quartz sand, for 3.5kg of final product

APPLICATION TOOLS

Rubber squeegee (width 55cm). Tools should be cleaned with **WATER** immediately after use.



PACKAGING

Supplied in 100 kg barrels.



STORAGE

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

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REMARKS

- Application of **ELASTOTURF-CON/H**, hard version, for **SPORTFLOOR-EX SYSTEM**, and application of **ELASTOTURF-CON/F**, flexible version, for wet-pour systems or on shock-pad rolls.
- In case of extremely rough cement or asphalt surfaces it is recommended grinding of the surface with a mosaic machine before the application of **ELASTOSPORT 853**.
- Our recommendation is that the asphalt subfloor should be applied on well compacted 150 mm road base subfloor and asphalt should be laid in one layer (and not 2) in 6 to 8 cm with fine and coarse aggregates (up to 15mm granulometry) like the kind of asphalt used in road construction.
- So, new road-grade asphalt will have to be laid (minimum 60mm) in one layer containing coarse aggregates and then mature for 30 days at least, before any application takes place on top of the asphalt to avoid bubbles on the final layer of the sport or rubber floorings.
- During summer or in condition of very hot climates, ideal time for the application of the material is between 22:00 p.m. and 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, 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 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.

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