

CONCENTRATED ELASTOTURF 852

CONCENTRATED ACRYLIC RESINS USED FOR THE CREATION OF THE ELASTIC, COLORED, ANTI-SLIP, ELASTOTURF FOR ATHLETIC COURTS

GENERAL CHARACTERISTICS

CONCENTRATED ELASTOTURF 852 is concentrated acrylic-based material that is mixed with round quartz sand (0,1-0,5mm) in order to create the elastic, colored, non-slip, self-leveling **ELASTOTURF 851** for sport grounds.

- Applied on asphalt or cement waterproofed surfaces without rising humidity issues following the application of **ELASTOSPORT 853**.
- It is recommended mixing of **CONCENTRATED ELASTOTURF 852** with quartz sand in ratio **65 acrylic resins: 35 quartz sand 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.
- Prevents high temperatures on the underlay..
- For the creation of lines in sport courts it is recommended the use of acrylic paint **ELASTOMARK** in any desirable color.

TECHNICAL DATA

Basis:	one-component acrylic resin
Appearance:	viscous liquid
Colors:	indian red, green, ochre, light and dark blue, light and dark grey and on request
Viscosity:	20.000 ± 500 mPa•s at 23°C
Density:	1,314 ± 0,009 gr/cm ³
Temperature for the application and drying of the material:	10 – 30°C
Walkability:	after 24 hours
Total Hardening:	5 days at 23°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.

EXTERIOR SURFACES

- **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 1102** for the proper adhesion of the sub-floor. Application of the material in one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 150-200gr/m² in two layers, depending on the absorption of the underlay.
- When the primer begins to dry (approximately one hour depending on the ambient temperature), follows the application of **ELASTOSPORT 853** (consumption: 1-2 kg/m²/mm) or **SUPER ELASTOCOAT 842** (consumption: 0,8kg/m²/1mm) for sealing the pores of the underlay. Alternatively, the substrate can be 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 24 hours at 23°C), follows the application of **CONCENTRATED ELASTOTURF 852** mixed with quartz sand.

CONSUMPTION

0,65-0.98 kg/m² of **CONCENTRATED ELASTOTURF 852** mixed 65:35 by weight with quartz sand (two or three layers).

APPLICATION TOOLS

Special single-edge rubber squeegees. Tools should be cleaned with **WATER** immediately after use.

PACKAGING

Supplied in drums of 20kg, 150kg barrels.

STORAGE

18 months in unopened containers in dry places with minimum temperature 5°C and high temperature 28°C.

REMARKS

- 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.
- **CONCENTRATED ELASTOTURF 852** mixed with quartz sand should not be applied in more than 0,45kg/m² per layer (0.7kg/m² of premixed **ELASTOTURF 851**). In case of high temperature during summer, layers thicker than 0,5mm should be avoided because the material may crack due to the rapid evaporation of water. Lining thickness more than 1mm is achieved only by repeated layers.
- During summer or in condition of very hot climates, ideal time for the application of the material is between 4:00 and 9:00 a.m. while in the winter, 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.