

CONCENTRATED ELASTOTURF 852

CONCENTRATED MATERIAL USED FOR THE CREATION OF THE ELASTIC, COLORED, ANTI-SLIP, SELF-LEVELING ELASTOTURF FOR ATHLETIC COURTS

GENERAL CHARACTERISTICS

CONCENTRATED ELASTOTURF 852 is concentrated acrylic-based material which 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 and cement waterproofed surfaces following the application of **ELASTOSPORT 853**.
- It is recommended mixing of **CONCENTRATED ELASTOTURF 852** with quartz sand in ratio 50:50 by weight for the first two layers and 60:40 by weight for the third layer.
- Ideal for basketball, volleyball, handball 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 interior surfaces, it should be combined with prefabricated shock-absorbent rolls in thickness 4-10 mm or the elastic sub floors **ELASTOCOAT 841** and **SUPER ELASTOCOAT 842** in 2 to 6 mm thickness. In this case, it is recommended mixing of **CONCENTRATED ELASTOTURF 852** with quartz sand in ratio 50:50 by weight for the first layer and as it is (with out quartz sand) for the following layers.
- In case of exterior use with prefabricated shock-absorbent rolls in thickness 4-10 mm or elastic sub floors **ELASTOCOAT 841** and **SUPER ELASTOCOAT 842** it is recommended mixing of **CONCENTRATED ELASTOTURF 852** with quartz sand in ratio 50:50 by weight for all layers.
- For the creation of lines in sport courts it is recommended the use of acrylic paint **AKRYLOEPOX 818** 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 arising humidity and free of materials that might prevent bonding e.g. dust, loose particles, grease etc. The success in the application

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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 and squeegees.
- Priming of the surface, except in case of using shock-absorbent rolls, with joining resin **RITIVEX 1102** or **AKRYLEX 165** 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: 150-250gr/m² in two layers, depending on the absorption of the underlay.

EXTERNAL SURFACES

- When the primer begins to dry (approximately one hour depending on the ambient temperature), follows the application of **ELASTOSPORT 853** (consumption: 1,65 kg/m²/mm) or **ELASTOCOAT 841** (consumption: 1,3 kg/m²/mm), or **SUPER ELASTOCOAT 842** (consumption: 0,9 kg/m²/mm) for sealing the pores of the underlay.
- As soon as the material dries (48 hours at 23°C), follows the application of **CONCENTRATED ELASTOTURF 852** mixed with quartz sand.
- It is recommended mixing of **CONCENTRATED ELASTOTURF 852** with quartz sand in ratio 50:50 by weight for all layers or 50:50 by weight for the first two layers and 60:40 by weight for the third layer in case of **ELASTOSPORT 853**.

INTERIOR SURFACES

- Application of the material on a prefabricated shock-absorbent roll in thickness 4-10mm or **ELASTOCOAT 841** or **SUPER ELASTOCOAT 842**. In this case, it is recommended mixing of **CONCENTRATED ELASTOTURF 852** with quartz sand in ratio 50:50 by weight for the first layer and as it is (without quartz sand) for the following layers.
- Depending on the ambient temperature the mixture is diluted with 6-10% water, prior to application, in order to achieve better fluidity. The next layer follows the other after the previous starts to dry.

CONSUMPTION

- 0,8 kg/m²/mm of **CONCENTRATED ELASTOTURF 852** mixed 50:50 by weight with quartz sand.
- 1,3 kg/m²/mm of **CONCENTRATED ELASTOTURF 852**.

APPLICATION TOOLS

Nappy rolls, rubber spotty-like rolls of 1,7 and 2,5 mm, squeegees, brushes and generally any tool that can spread the material in a uniform thickness. Tools should be cleaned with **WATER** immediately after use.

PACKAGING

Supplied in drums of 20 kg.

STORAGE

One year in unopened containers in dry places with minimum temperature 5°C.

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**.
- **CONCENTRATED ELASTOTURF 852** mixed with quartz sand should not be applied in more than 1,6 kg/m² per layer. In case of high temperature during summer, layers thicker than 1mm 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, ideal time for the application of the material is between 6:00 and 9:00 a.m. while in the winter, the minimum bearing temperature during application and drying should be 10°C.

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- 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 POLAT S.A.

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