

ELASTOSPORT 853

SELF-LEVELING, REPAIRING SUB-FLOOR FOR EXTERNAL ATHLETIC COURTS

GENERAL CHARACTERISTICS

ELASTOSPORT 853 is acrylic-based, self-leveling, two-component flooring for external basketball, tennis, volleyball and handball courts.

- Applied on asphalt and cement surfaces for the creation of a sub floor for athletic courts that does not need maintenance.
- Smoothens and upgrades rough courts in two or more coatings.
- Minimizes the cost of reparation of sports grounds.
- Applied easily without prior experience.
- Due to its black color cannot remain as final coating.
- In case of athletic courts, it is recommended that **ELASTOSPORT 853** should be covered with elastic coating for sports grounds **ELASTOTURF 851**, which is certified from INTERNATIONAL TENNIS FEDERATION (I.T.F.) or painted with **SPORTCOAT 819**, while in case of surrounding areas in stadiums, traffic education parks, corridors etc should be covered with **CORRIDOL 864**.
- It can be used as a waterproofing material for rooftops with the parallel use of fiberglass-mesh tape, in cases where we need to walk on a sealed surface without causing damages and on asphalt corridors in airports in order to seal the pores of the asphalt.

Provides:

- Safe game.
- Perfect bounce of the ball.
- Non-slip surface even when is wet.
- Easy cleaning using water.
- Resistance to weather conditions.

TECHNICAL DATA

Basis:	one-component acrylic, bituminous resin, aggregates
Appearance:	viscous liquid
Colors:	black
Viscosity:	337 ± 3 mPa•s at 23°C
Density:	1,632 ± 0,014 gr/cm ³
Bulk density (B):	1387 ± 8 gr/lit
Mixing proportion (A:B):	66,7:33,3 by weight
Granulometry (B):	63µm – 800µm
Gelation time:	approx. 30 min at 23°C
Time for the application of Elastoturf or Akryloepox:	after 2 days at 25°C. Final strength after 28 days at 25°C

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Temperature for the application and drying of the material: 8 – 25°C

Walkability: after 2 days

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 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 with joining resin **RITIVEX 1102** or **AKRYLEX 165** for the proper adhesion of the material. Application of one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 150-250 gr/m², depending on the absorption of the underlay.
- When the primer begins to dry (approximately 1 hour depending on the ambient temperature), follows the application of **ELASTOSPORT 853**.
- Good mixing of components A (resin) & B (aggregates) packed into separate containers in fixed weight proportions. The aggregates (component B) must be added into the liquid (component A), and not the opposite, under continuous stirring using a 300-600 rpm mixer until a uniform viscous mixture is formed. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve uniform dispersion of the aggregates.
- The mixture of **ELASTOSPORT 853** is applied in two or more coatings, depending on the desirable thickness and the roughness of the surface. Each new coating is applied after the previous one starts to dry.
- Finally **ELASTOSPORT 853** is covered with one of the following materials:
 - Elastic coating for sports grounds **ELASTOTURF 851**. Consumption: 1 kg/m² as paint & 1,6 kg/m² for 1 mm thickness.
 - Acrylic paint **SPORTCOAT 819** (former AKRYLOEPOX). Consumption: 400-500 gr/m² in two layers.
 - Coating for surrounding grounds in stadiums, traffic education parks, corridors **CORRIDOL 864**. Consumption: 1,8 kg/m² for 1 mm thickness.

CONSUMPTION

- 1,65 kg/m²/mm
- 2,5 kg/m²/1,5mm
- 3,3 kg/m²/2mm

APPLICATION TOOLS

Rubber spotty-like rolls of 1,7 and 2,5 mm, toothed spatula, 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 packages of 30 kg (one drum, one bag). Components A and B have the fixed weight proportion.

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**.

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- Application and drying of **ELASTOSPORT 853** must take place during cool hours (temperature 8-25⁰C). During summer, ideal time for the application of the material is between 6:00-10:00 a.m. while in the winter, the minimum bearing temperature during application and drying should be 8°C.
- The freshly coated surface should be protected from high temperatures, wind, rain and frost for at least the first 24 hours.
- Higher lining thickness is achieved with repeated layers.
- For covering cracks, or holes it is recommended the addition of 50% quartz sand to **ELASTOSPORT's** weight (grain thickness from 3-10 mm).
- 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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