

ELASTOCOAT 841

ELASTIC SUB-FLOOR 2mm FOR SPORT FIELDS

GENERAL CHARACTERISTICS

ELASTOCOAT 841 is acrylic-based, elastic, coating for sport fields.

- Applied on asphalt and waterproofed cement surfaces for the creation of an elastic sub floor of 2mm for external and internal athletic courts that does not need maintenance.
- Ideal for the creation of elastic external and internal courts.
- Applied easily, providing a safe, high quality game.
- As final surface it is recommended that **ELASTOCOAT 841** is covered with elastic coating for sports grounds **ELASTOTURF 851**, which is a certified coating by the INTERNATIONAL TENNIS FEDERATION (I.T.F.).
- For the creation of lines in sport courts it is recommended the use of acrylic paint **ELASTOMARK 818** (former **AKRYLOEPOX 818**) in any desirable color.
- In cases where a very elastic sub floor is needed, it is recommended use of **SUPER ELASTOCOAT 842**

TECHNICAL DATA

Basis:	acrylic
Appearance:	viscous paste
Colors:	black
Density:	1,060 ± 0,010 gr/cm ³
Viscosity:	3300 ± 300 mPa•s at 23°C
Temperature for the application and drying of the material:	10 – 30°C after 2 days at 23°C
Walkability:	5 days at 23°C
Total Hardening:	

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** for the proper adhesion of **ELASTOCOAT 841**. Application of 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.

A. SMOOTH SURFACES

- For better adhesion on smooth surfaces (e.g. industrial surfaces), the surface is primarily primed with **RITIVEX 1102**. While primer is still fresh, quartz sand is applied by dredging.
- Next day, after the primer has dried, any loose grains of the quartz sand are being removed, using a high suction vacuum cleaner. The surface is primed again with **RITIVEX 1102**.

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- When the primer begins to dry (approximately 1 hour depending on the ambient temperature), follows the application of **ELASTOCOAT 841**.
 - **ELASTOCOAT 841** is applied using a squeegee, in two-four successive layers for total thickness 1-2mm. The next layer follows the other after the previous starts to dry.
 - As soon as **ELASTOCOAT 841** dries (24 hours at 23°C), follows the application of **ELASTOTURF 851**.
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- Depending on the ambient temperature, **ELASTOTURF 851** is diluted with 5-7% water, prior to application, in order to achieve better fluidity. It is applied in 2mm thickness, in three to five layers, depending on the desirable thickness, using squeegees. The next layer follows the other after the previous starts to dry.
- B. ROUGH SURFACES**
- For non smooth surfaces (e.g. asphalt surfaces), when the primer begins to dry (1 hour usually, depending on ambient temperature), **ELASTOSPORT TWO COMPONENT 853** is applied, in two-three layers. Consumption: 1,65 kg/m²/mm. Each new layer is applied after the previous one starts to dry. Time between successive layers: three-five hours.
 - After three-four days, **ELASTOCOAT 841** is applied.
 - As soon as **ELASTOCOAT 841** dries (24 hours at 23°C), follows the application of **ELASTOTURF 851**.

CONSUMPTION

- 1.2-1.3 kg/m² in two layers.

APPLICATION TOOLS

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

PACKAGING

Supplied in drums of 15 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 **ELASTOCOAT 841**.
- During summer, ideal time for the application of **ELASTOCOAT 841** is between 6:00-10:00 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 POLAT S.A.

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