

## SUPER ELASTOCOAT 842

VERY ELASTIC, CUSHION, SUB-FLOOR FOR SPORT FIELDS

### GENERAL CHARACTERISTICS

**SUPER ELASTOCOAT 842** is acrylic-based, very elastic, coating for sport fields.

- Applied on asphalt and waterproofed cement surfaces without rising humidity issues, for the creation of a very elastic sub floor of 1-3 mm for athletic courts that does not need maintenance.
- Ideal for the creation of very elastic external and internal tennis, basketball, handball, football and volleyball courts etc.
- Applied easily, providing a safe, high quality game.
- As final surface it is recommended that **SUPER ELASTOCOAT 842** 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** in any desirable color.

### TECHNICAL DATA

|   |                              |
|---|------------------------------|
| Basis:  | acrylic                      |
| Appearance:   | viscous paste                |
| Colors:   | black                        |
| Density:  | 860 ± 10 gr/cm <sup>3</sup>  |
| Viscosity:  | 12150 ± 1000 mPa sec at 23°C |
| Temperature for the application and drying of the material: | 10 – 35°C                    |
| Walkability:  | after 2 days at 23°C         |
| 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 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 **SUPER ELASTOCOAT 842**. Application of one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 200gr/m<sup>2</sup> 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**.
- When the primer begins to dry (approximately 1 hour depending on the ambient temperature), follows the application of **SUPER ELASTOCOAT 842**.
- **SUPER ELASTOCOAT 842** is applied using a squeegee, in two to five crossing layers for total thickness 1-3mm. The next layer follows the other after the previous starts to dry.
- As soon as **SUPER ELASTOCOAT 842** dries (24 hours at 23<sup>0</sup>C), follows the application of **ELASTOTURF 851**.
- Depending on the ambient temperature **ELASTOTURF 851** is diluted with 2-5% water, prior to application, in order to achieve better fluidity. It is applied in 1-3mm thickness, in two 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 853** is applied, in two-three layers. Consumption: 2kg/m<sup>2</sup>/mm. Each new layer is applied after the previous one starts to dry. Time between successive layers: three-five hours.
- After one day, **SUPER ELASTOCOAT 842** is applied.
- As soon as **SUPER ELASTOCOAT 842** dries (24 hours at 23<sup>0</sup>C), follows the application of **ELASTOTURF 851**.

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## CONSUMPTION

0,40-0,45kg per layer (applied minimum in two layers)

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## APPLICATION TOOLS

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

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## PACKAGING

Supplied in drums of 15 kg., barrels.

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## STORAGE

One year in unopened containers in dry places with minimum temperature 5°C and maximum temperature 30°C.

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## 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 **SUPER ELASTOCOAT 842**.
  - During summer or in hot climates conditions, ideal time for the application of **SUPER ELASTOCOAT 842** is between 4:00-9:00 a.m. and temperatures till 35°C, 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.
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## 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.**

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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.