

## ELASTOSPORT 853-R

### CONCENTRATED, ACRYLIC RESURFACER FOR ATHLETIC COURTS

#### GENERAL CHARACTERISTICS

**ELASTOSPORT 853-R** is acrylic-based, resurfacer for basketball, tennis, volleyball and handball courts. Silica sand must be added in order to be able to use the material in the application of the sports flooring system. Final product is **ELASTOSPORT 853**.

Smoothens and upgrades rough courts in two or more coatings depending on the porosity of the flooring.

- Minimizes the cost of reparation of sports grounds.
- Applied easily without prior experience.
- In case of athletic courts, **ELASTOSPORT 853-R** should be covered next day with elastic coating for sports grounds **ELASTOTURF 851** or **SUPER ELASTOCOAT COARSE 842** or **SUPER ELASTOCOAT FINE 842** while in case of surrounding areas in stadiums, traffic education parks, corridors etc should be covered with **CORRIDOL 864**.
- Mixing ratio in weight 50% **ELASTOSPORT 853-R** and 50% silica sand plus 4-6% water in the mix.

#### Provides:

- Safe game.
- Perfect bounce of the ball.
- Resistance to weather conditions.

#### SUBSTRATE REQUIREMENTS

Concrete quality:	at least C20/25
Age:	at least 30 days
Moisture content:	below 4%

#### TECHNICAL DATA

Basis:	acrylic resins, fillers
Appearance:	viscous liquid
Colors:	beige-off-white
Viscosity:	4000-10000 mPa•s at 25°C
Density:	1.45-1.55 gr/cm <sup>3</sup>
Temperature for the application and drying of	10 – 40°C

the material:

Walkability:

after 1 day at 25°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 or air blower and squeegees.
- Priming of the surface with joining resin **RITIVEX 1102** for the proper adhesion of the material. Application of one or two layers until the surface is saturated. Avoid the creation of puddles of the material.
- When the primer is dry (approximately 1 hour depending on the ambient temperature), follows the application of **ELASTOSPORT 853-R**, after adding silica sand in granulometry of 0.3-0.5mm. Proportions in weight 50% **ELASTOSPORT 853-R** and 50% silica sand plus 4-6% water in the mix.
- **ELASTOSPORT 853-R** is applied in two or three layers, depending on the desirable thickness and the roughness and absorbency of the surface. Each new layer is applied after the previous one has dried.

## CONSUMPTION

1-1.5 kg/m<sup>2</sup> in two or three layers, as concentrated material, **ELASTOSPORT 853-R**, depending on the porosity of the surface.

## APPLICATION TOOLS

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

## PACKAGING

Supplied in barrels of 200Kg.

## STORAGE

12 months in unopened containers in dry places with minimum temperature 5°C and high temperature 30°C (avoid sunlight).

## REMARKS

- In case of extremely rough and sharp cement or asphalt surfaces it is recommended grinding of the surface with a mosaic machine before the application of **ELASTOSPORT 853-R**.
- Application and drying of **ELASTOSPORT 853-R** must take place during cool hours. During temperatures over 38°C ideal time for the application of the material is between 22:00-9:00 a.m. while 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.
- Coating thickness more than 0.5 mm is achieved only by repeated layers.
- For covering cracks, or holes it is recommended the addition of 70% quartz sand to **ELASTOSPORT's 853-R** weight (grain thickness from 0.2-0.5mm) in the first layer.
- In case it gets damaged, it is simply repaired and recoated on the spot.
- In case ELASTOSPORT 853-R needs a bit more fluidity(workability), water can be added gradually up to 3% on the total mix.

## 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.

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