

## ELASTOSPORT 853

### REPAIRING ACRYLIC RESURFACER FOR ATHLETIC COURTS

#### GENERAL CHARACTERISTICS

**ELASTOSPORT 853** is acrylic-based, one-component resurfacer for basketball, tennis, volleyball and handball courts.

- Smoothens and upgrades rough courts in two or more layers depending on the porosity of the flooring.
- Minimizes the cost of reparation of sports grounds.
- Applied easily without prior experience. Water can be added gradually (up to 10%) per weight.
- In case of athletic courts, **ELASTOSPORT 853** should be covered next day with elastic coating for sport grounds **ELASTOTURF 851** or **SUPER ELASTOCOAT 842** while in case of surrounding areas in stadiums, traffic education parks, corridors etc should be covered with **CORRIDOL 864**.

#### 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:	one-component acrylic resins, fillers
Appearance:	viscous liquid
Colors:	beige-off-white
Viscosity:	20.000-30.000 mPa•s at 25°C
Density:	1.64 - 1.74 Kg/Lt
Temperature for the application and drying of the material:	10 – 40°C after 1 day at 25°C
Walkability:	

## 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 R LIQUID 1102** for the proper adhesion on the subfloor. 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** for sealing the porosity of the subfloor.
  - Depending on the ambient temperature **ELASTOSPORT 853** is diluted with 5-6% up to 10% water, prior to application, in order to achieve better fluidity. It is applied in two or more crossing layers, depending on the desirable thickness and the roughness and absorbency of the surface. Each new layer is applied after the previous one starts to dry. Time between successive layers: 5 to 6 hours. Consumption: 2kg/m<sup>2</sup> for 2 layers, depending on the roughness and absorbency of the surface.
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## CONSUMPTION

2-3 kg/m<sup>2</sup> in two or three layers, depending on the porosity of the surface.

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## APPLICATION TOOLS

Squeegee (width 55cm). 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).

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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 before the application of **ELASTOSPORT 853**.
- Our recommendation is that the asphalt subfloor should be applied on well compacted 150 mm road base subfloor and asphalt should be laid in one layer (and not 2) in 6 to 8 cm with fine and coarse aggregates (up to 15mm granulometry) like the kind of asphalt used in road construction.
- So, new road-grade asphalt will have to be laid (minimum 60mm) in one layer containing coarse aggregates and then mature for 30 days at least, before any application takes place on top of the asphalt to avoid bubbles on the final layer of the sport or rubber floorings.
- Application and drying of **ELASTOSPORT 853** must take place during cool hours. During temperatures over 40°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 20-30% quartz sand to **ELASTOSPORT's** 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.

## 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 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.

KDF - Kataskeves Dapedon LTD  
e : exports@kdf.gr w : www.kdf.gr

**Showroom Office**  
1 Papanikolaou Ave, Pefka  
57010, Thessaloniki, Greece  
t / f : 0030 2310 829598

**Accounting Office**  
19 Mitropoleos Str  
54624, Thessaloniki, Greece

