

RITIVEX R LIQUID 1102

ACRYLIC, ADHESIVE RESIN FOR MULTIPLE USES

GENERAL CHARACTERISTICS

- Acrylic, adhesive, joining resin, water - based.
- It is the suitable primer before the application of **ELASTOSPORT 853**, **ELASTOTURF 851** and **CORRIDOL 864** on athletic courts.
- It is used mainly as primer on asphalt and as primer for joining old and new concrete and as a primer on surfaces, before over coating them with concrete paints, emulsion paints, or cementitious coatings.
- **RITIVEX R LIQUID 1102** is applied in thin films.

TECHNICAL DATA

Appearance:	Water emulsion
Colors:	White
Density:	1.0-1.1 kg/lit at 25 °C
Viscosity:	15-45 mPa sec at 25°C
Temperature for the application and drying of the material:	10 – 40°C

CONSUMPTION

200-400 gr/m² depending on the type, roughness and absorbency of the underlay.

APPLICATION TOOLS

Roller, squeegee, brush or airless sprayer.



PACKAGING

Supplied in barrels of 200kg and drums of 20kg.



STORAGE

One year in unopened containers in cool and dry places, out of sunlight, with minimum temperature 5°C and maximum temperature 30°C.

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.

ELASTOSPORT 853 COLORED

ACRYLIC RESURFACER FOR ATHLETIC COURTS

GENERAL CHARACTERISTICS

ELASTOSPORT 853 COLORED is acrylic-based, colored, resurfacer for basketball, tennis, volleyball and handball courts.

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.
- **ELASTOSPORT 853 COLORED** should be covered with **ELASTOTURF TOP** or **ELASTOTURF 851**.

Provides:

- Safe game.
- Perfect bounce of the ball.

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:	24 colors, KDF colorchart
Viscosity:	20.000-30.000 mPa•s at 25°C
Density:	1.64-1.74 gr/cm ³
Temperature for the application and drying of the material:	10 – 40°C
Walkability:	after 1 day at 25°C

- Application and drying of **ELASTOSPORT 853 COLORED** 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 70% quartz sand to **ELASTOSPORT 853 COLORED** 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.

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ELASTOTURF TOP

ACRYLIC, SPECIAL, COATING FOR EXTERNAL SPORT FIELDS

GENERAL CHARACTERISTICS

ELASTOTURF TOP is acrylic-based, colored coating for external sport fields.

- Applied on asphalt and cement waterproofed surfaces without rising humidity issues following the application **ELASTOSPORT 853 COLORED** or **ELASTOSPORT 853 COLORED-R**.
- Ideal for basketball, volleyball, handball, football and tennis external courts. Suitable for sports centers, schools, fitness centers, pavements.
- Applied easily, having low cost.
- Provides a safe, high quality game.
- 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:	one-component acrylic resin
Appearance:	viscous liquid
Colors:	24 colors according to our colorchart
Viscosity:	15.000 – 30.000 mPa•s at 25°C
Density:	1.53 – 1.63 Kg/Lt
Temperature for the application and drying of the material:	10 – 40°C
Walkability:	after 24 hours at 25°C
Total Hardening:	5 days at 25°C

PREPARATION- APPLICATION

Applied only on dry surfaces, without rising humidity issues 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 bonding resin primer **RITIVEX R LIQUID 1102** for the proper adhesion of the sub-floor. Application of one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 200 - 400 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 COLORED** or **ELASTOSPORT 853 COLORED-R** for sealing the pores of underlay.
- As soon as **ELASTOSPORT 853 COLORED** or **ELASTOSPORT 853 COLORED-R**, dries (5-6 hours at 25°C), follows the application of **ELASTOTURF TOP** by squeegee in a thin film.
- Depending on the ambient temperature **ELASTOTURF TOP** is diluted with up to 10% water, prior to application, in order to achieve better fluidity. It is applied in two or three coatings depending on the desirable thickness. The next layer follows the other after the previous starts to dry.

CONSUMPTION

0.3 – 0.35 kg/m² per layer, recommended in 1 or more layers.

APPLICATION TOOLS

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



PACKAGING

Supplied in barrels.



STORAGE

Maximum 12 months in unopened containers in dry places with minimum temperature 5°C and maximum 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, sandblast or rotor machine before the application of **ELASTOSPORT 853 COLORED** or **ELASTOSPORT 853 COLORED-R**.
- During summer or hot climates, ideal time for the application of **ELASTOTURF TOP** is between 22:00-9:00 a.m. and 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 48 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 safety data sheet.

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