

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/lt 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

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/m² for 2 layers, depending on the roughness and absorbency of the surface.

CONSUMPTION

2-3 kg/m² in two or three layers, depending on the porosity of the surface.

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).

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.

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SUPER ELASTOCOAT COARSE 842

VERY ELASTIC, CUSHION, SUB-FLOOR FOR SPORT FIELDS

GENERAL CHARACTERISTICS

SUPER ELASTOCOAT COARSE 842 is acrylic-based, highly flexible, pasty, wet-pour cushion rubber flooring with SBR granulometry 0.5-1mm for sport fields.

- Applied on asphalt and waterproofed cement surfaces without rising humidity issues, for the creation of a very elastic sub floor 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 COARSE 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:	0.85-0.95 kg/lit
Viscosity:	20.000-30.000 mPa sec at 25°C
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 and squeegees.
- Priming of the surface with joining resin **RITIVEX 1102** for the proper adhesion with the subfloor. 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 (1 hour usually, depending on ambient temperature),

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- After one day, **SUPER ELASTOCOAT COARSE 842** is applied, in two up to five layers, depending on the thickness of the **FLEXFLOOR – EX SYSTEM**, diluted in 25% water, applied by squeegee.
- Follows the application of **SUPER ELASTOCOAT FINE 842** in two layers, diluted in 25% water, applied by squeegee.
- As soon as **SUPER ELASTOCOAT 842** dries (24 hours at 25°C), follows the application of **ELASTOTURF 851**.

1.2kg/m² for 2 layers up to 3.4 kg/m² for 5 layers.

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



Drums of 15kg, barrels of 100kg.



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

- 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.
- During temperatures over 40°C, ideal time for the application of **SUPER ELASTOCOAT COARSE 842** 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 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.

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SUPER ELASTOCOAT FINE 842

VERY ELASTIC, CUSHION, SUB-FLOOR FOR SPORT FIELDS

GENERAL CHARACTERISTICS

SUPER ELASTOCOAT FINE 842 is acrylic-based, highly flexible, pasty, wet-pour cushion rubber flooring with SBR granulometry 0.2-0.5mm for sport fields.

- Applied on asphalt and waterproofed cement surfaces without rising humidity issues, for the creation of a very elastic sub floor of 1-2 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 FINE 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:	0.85-0.95 gr/lt
Viscosity:	20.000-30.000 mPa sec at 25°C
Temperature for the application and drying of the material:	10 – 40°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 with the subfloor. Application of one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 200-400gr/m² depending on the absorption of the underlay.
- When the primer begins to dry (1 hour usually, depending on ambient temperature),

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ELASTOSPORT 853 is applied, for sealing the porosity of the subfloor, in one or more layers, depending on the desired thickness, the porosity and roughness of the subfloor. Application is done by squeegee Consumption: 1.30kg/m² for 1 layer, depending on the quality and the porosity of the subfloor.

- After one day, **SUPER ELASTOCOAT COARSE 842** is applied, in two up to five layers, depending on the thickness of the **FLEXFLOOR – EX SYSTEM**, diluted in 25% water by squeegee.
- Follows the application of **SUPER ELASTOCOAT FINE 842** in two layers, diluted in 25% water by squeegee.
- As soon as **SUPER ELASTOCOAT 842** dries (24 hours at 25°C), follows the application of **ELASTOTURF 851**.

CONSUMPTION

0.8-1 kg/m² in two layers.

APPLICATION TOOLS

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



PACKAGING

Drums of 15kg, barrels of 100kg.



STORAGE

One year in unopened containers in cool and dry places, out of sunlight, with minimum temperature 5°C and maximum temperature 30°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.
- During temperatures over 40°C, ideal time for the application of **SUPER ELASTOCOAT FINE 842** 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 24 hours.
- In case it gets damaged, it is simply repaired and recoated on the spot.



Sports Flooring Systems & Building Materials

50 YEARS OF EXPERIENCE

CAUTION

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- Depending on the ambient temperature **ELASTOTURF 851** 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 coatings depending on the desirable thickness. The next layer follows the other after the previous is dry.
- The next day, depending ambient temperature follows application of finishing paint **ELASTOMARK 818**.

CONSUMPTION

- 1.5 kg/m² of **ELASTOTURF 851** (three layers, for System Sportfloor – Ex Hard Court).
- 1.8 kg/m² of **ELASTOTURF 851** (three layers, for System Flexfloor - Ex).
- 2.2 – 2.5 kg/m² of **ELASTOTURF 851** (three layers, for System Polyflex AEL - Ex).
- 3.5 – 3.8 kg/m² of **ELASTOTURF 851** (three layers, for System Wet Pour Polyflex AEL - Ex).

In case of using the top coat **ELASTOMARK 818** as final layer then the consumption of **ELASTOTURF 851** will be:

- 1 kg/m² of **ELASTOTURF 851** (two layers, for System Sportfloor – Ex Hard Court).
- 1.3 kg/m² of **ELASTOTURF 851** (two layers, for System Flexfloor - Ex).
- 1.7 – 2 kg/m² of **ELASTOTURF 851** (two layers, for System Polyflex AEL - Ex).
- 3 – 3.3 kg/m² of **ELASTOTURF 851** (two layers, for System Wet Pour Polyflex AEL - Ex).

APPLICATION TOOLS

Squeegee (width 55cm). Tools should be cleaned with **WATER** immediately after use.



PACKAGING

Supplied in barrels 200 Kg.



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, sandblast or rotor machine before the application of **ELASTOSPORT 853**.
- During temperatures over 40°C, ideal time for the application of **ELASTOTURF 851** 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 24 hours.
- In case it gets damaged, it is simply repaired and recoated on the spot.

CAUTION

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