EDITION: MAY 2019

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 ^{o}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/m^2 depending on the type, roughness and absorbency of the underlay.

PACKAGING

Supplied in barrels and drums.

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.

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EDITION:SEPTEMBER 2019

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 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**.
- In case of usage of the colored version of **ELASTOSPORT 853-R**, that is **ELASTOSPORT 853-R COLORED**, the layer is **ELASTOTURF 851** or **ELASTOTURF TOP**.
- 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.

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:	4.000-10.000 mPa•s at 25°C
Density:	1.48-1.58 gr/cm^{3}

Temperature for the application and drying of the material:	10 – 40°C
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 more 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

1.0-1.5 kg/m^2 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 170 Kg.

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.

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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EDITION: MAY 2019

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/lt
Viscosity:	20.000-30.000 mPa sec at 25°C
Temperature for the application and drying of the material:	10 – 40°C
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 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/m^2 depending on the absorption of

the underlay.

- When the primer begins to dry (1 hour usually, depending on ambient temperature), **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/m^2 for 1 layer, depending of 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, 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^{0}C), follows the application of **ELASTOTURF 851**.

CONSUMPTION

1.2kg/m^2 for 2 layers up to 3.4 kg/m^2 for 5 layers.

APPLICATION TOOLS

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

PACKAGING

Drums, barrels.

STORAGE

One year 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.
- During temperatures over 38°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.

For more information consult the safety data sheet.

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EDITION: MAY 2019

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/m^2 depending on the absorption of the

underlay.

- When the primer begins to dry (1 hour usually, depending on ambient temperature), **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/m^2 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^{0}C), follows the application of **ELASTOTURF 851**.

CONSUMPTION

0.8-1 kg/m^2 in two layers.

APPLICATION TOOLS

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

PACKAGING

Drums, barrels.

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 38°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.

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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EDITION: JUNE 2019

ELASTOTURF 851-CON

CONCENTRATED ACRYLIC RESINS USED FOR THE CREATION OF COLORED, ANTI-SLIP ATHLETIC COURTS

GENERAL CHARACTERISTICS

ELASTOTURF 851-CON is a concentrated acrylic-based material that is mixed with round quartz sand (0.2 – 0.4 mm) in order to create colored, non-slip sport grounds.

- Applied on asphalt or cement waterproofed surfaces without rising humidity issues following the application of **ELASTOSPORT 853**.
- It is recommended mixing of **ELASTOTURF 851-CON** with quartz sand and water in ratio of 1 part of **ELASTOTURF 851-CON** (28.5%), 2 parts of quartz sand (57.2%) and 0.5 parts of water (14.3%) by weight.
- Ideal for basketball, volleyball, handball, football and tennis external courts. Suitable for sports centers, schools, fitness centers, pavements, hallways.
- Applied easily, having a 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** in any desirable color.

TECHNICAL DATA

Basis:	one-component acrylic resin
Appearance:	viscous liquid
Colours:	KDF colorchart
Viscosity:	5.000 – 13.000 mPa•s at 25°C
Density:	1.0 – 1.1 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

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PREPARATION-APPLICATION

Applied only on dry surfaces. Protected from rising 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
- Priming of the surface, except in case of using shock-absorbent rolls, with joining resin **RITIVEX 1102** for the proper adhesion of the sub-floor. Application of the material in one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 150-200gr/m^2 in two layers, depending on the absorption of the underlay
- When the primer begins to dry (approximately one hour depending on the ambient temperature), follows the application of **ELASTOSPORT 853** for sealing the pores of the underlay. Alternatively, the substrate can be prefabricated shock-pad in thickness 4-12 mm or an in-situ rubber shock-pad of **SBR plus PU BINDER**
- As soon as the material dries (within 24 hours at 25^0C), follows the application of **ELASTOTURF 851-CON** mixed with quartz sand and water, in ratio of 1 part of **ELASTOTURF 851-CON** (28.5%), 2 parts of quartz sand (57.2%) and 0.5 parts of water (14.3%) by weight

CONSUMPTION

0.2-0.21 kg/m2/layer of **ELASTOTURF 851-CON.**

APPLICATION TOOLS

Rubber squeegee. Tools should be cleaned with **WATER** immediately after use.

PACKAGING

Supplied in 100 kg barrels.

STORAGE

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

REMARKS

- Application of **ELASTOTURF-CON/H**, hard version, for SPORTFLOOR SYSTEM, and application of **ELASTOTURF-CON/F**, flexible version, for wet-pour systems or on shock-pad rolls.
- In case of extremely rough 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.

- During summer or in condition of very hot climates, ideal time for the application of the material is between 22:00 p.m. and 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.

For more information consult the material safety data sheet.

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