

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.

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.

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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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 (3-5%) 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: | 35.000-45.000 mPa•s at 25°C |
| Density: | 1.75 - 1.85 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 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**.
 - **ELASTOSPORT 853** 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.
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CONSUMPTION

2-3 kg/m² in two or three layers, 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**.
 - 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 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.
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- 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.
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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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CORRIDOL 864

Acrylic, slip-resistant coating for outdoor surfaces

GENERAL CHARACTERISTICS

CORRIDOL 864 is a colored, non-slip coating for surrounding areas in stadiums, traffic education parks, corridors, velodrome etc. applied on asphalt and cement waterproofed surfaces after the application of **ELASTOSPORT 853**.

TECHNICAL DATA

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|---|--|
| Appearance: | viscous liquid |
| Colors: | 24 colors form KDF colorchart |
| Viscosity: | 19.000-25.000 mPa•s at 25°C |
| Density: | 1.70 - 1.80 Kg/Lt |
| Temperature for the application and drying of the material: | 10 – 40° C |
| Time for the hardening of the material: | Ready to use after 24 hours at 25°C |
| Full curing: | 5 days : total hardening for the mechanical resistance |

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 **RITIVEX (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: 200-300 gr/m² in one layer, depending on the absorption of the underlay.
- When the primer starts to dry, apply **ELASTOSPORT 853** in order to close the pores of the asphalt or cement surface
- As soon as the final layer of **ELASTOSPORT 853** dries (after 24 hours at 25°C), apply **CORRIDOL 864** in three layers, depending on the desirable thickness. It can be diluted maximum 2% water, depending on the temperature, in order to achieve better fluidity.

CONSUMPTION

1.5 kg/m² (three layers)

**APPLICATION
TOOLS**

Squeegee.

PACKAGING

In drums of 25 kg, barrels 200kg.

STORAGE

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

REMARKS

- 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.
 - Thickness more than 0.5mm per layer may cause cracks in the summer, because high temperature causes the rapid evaporation of water and does not allow the material to dry normally. Coating thickness more than 0.5 mm is achieved only by repeated layers.
 - Winds, frosts, rainfalls, and high temperatures should be avoided during the application and the day after (referring to rain and frost).
 - If for any reason it gets damaged, it is simply repaired and recoated.
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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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