

## 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/m<sup>2</sup> 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.

**KDF - Kataskeves Dapedon LTD**  
e : [exports@kdf.gr](mailto:exports@kdf.gr) w : [www.kdf.gr](http://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



## SMARTCOAT 880

### REPAIRING ACRYLIC COLORED COATING/ FILLER FOR EXTERNAL ATHLETIC COURTS

#### GENERAL CHARACTERISTICS

**SMARTCOAT 880** is acrylic-based, one-component, colored coating for external basketball, tennis, volleyball and handball courts.

- Applied on asphalt and cement surfaces for the creation of a sub floor for athletic courts that does not need maintenance.
- 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 3% per weight.
- In case of athletic courts, **SMARTCOAT 880** should be covered next day with coating for sports grounds **SMART TOP 890**.

#### **Provides:**

- Safe game.
- Perfect bounce of the ball.
- Resistance to weather conditions.

#### TECHNICAL DATA

Basis:	one-component acrylic resin, fillers
Appearance:	viscous liquid
Colors:	24 colors according to our colorchart
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
Walkability:	after 24h 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 of the material. Application of one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 200 - 400 gr/m<sup>2</sup>, 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 **SMARTCOAT 880**.
- **SMARTCOAT 880** is applied in two or more layers, depending on the desirable thickness and the roughness of the surface, by Squeegee. Each new coating is applied after the previous one starts to dry.

## CONSUMPTION

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

## APPLICATION TOOLS

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

## PACKAGING

Supplied in barrels.

## STORAGE

One year in unopened containers in dry places 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 of **SMARTCOAT 880**.
- Application and drying of **SMARTCOAT 880** must take place during cool hours. During summer or in hot climates, ideal time for the application of the material 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.
- Higher lining thickness is achieved with repeated layers.
- For covering cracks, or holes it is recommended the addition of 20-30% quartz sand to **SMARTCOAT 880's** weight (grain thickness from 0.3-0.5 mm).
- In case it gets damaged, it is simply repaired and recoated on the spot.
- In case **SMARTCOAT 880** needs a bit more workability, water can be added gradually up to 3% on the total mix.

## 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.



Sports Flooring Systems & Building Materials  
**50 YEARS OF EXPERIENCE**

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## SMART TOP 890

ACRYLIC, SPECIAL, COATING FOR EXTERNAL SPORT FIELDS

### GENERAL CHARACTERISTICS

**SMART TOP 890** is acrylic-based, colored coating for external sport fields.

- Applied on asphalt and cement waterproofed surfaces without rising humidity issues following the application **SMARTCOAT 880**.
- 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:	25.000 – 35.000 mPa•s at 25°C
Density:	1.70 – 1.80 Kg/Lt
Temperature for the application and drying of the material:	10 – 40°C
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 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/m<sup>2</sup>, depending on the

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absorption of the underlay.

- When the primer begins to dry (approximately 1 hour depending on the ambient temperature), follows the application of **SMARTCOAT 880** for sealing the pores of underlay.
- As soon as **SMARTCOAT 880**, dries (24 hours at 25°C), follows the application of **SMART TOP 890** by squeegees and rollers in thin film.
- Depending on the ambient temperature **SMART TOP 890** is diluted with 5-10% water, prior to application, in order to achieve better fluidity. It is applied in 1mm thickness, 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/m<sup>2</sup> per layer, recommended in 2 layers or more.

## APPLICATION TOOLS

Squeegee and roller. 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 **SMARTCOAT 880**.
- During summer or hot climates, ideal time for the application of **SMART TOP 890** 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.

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