

ECOPRIMER 502

ACRYLIC, ADHESIVE RESIN FOR THE ECO-LINE SYSTEMS

GENERAL CHARACTERISTICS

- Acrylic, adhesive, joining resin, water - based.
- It is the suitable primer before the application of **ECOSURFACER 553** and **ECOCOAT 551** 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.
- **ECOPRIMER 502** 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.

ECOSURFACER 553

REPAIRING ACRYLIC RESURFACER FOR THE ECO-LINE SPORTS SYSTEMS

GENERAL CHARACTERISTICS

ECOSURFACER 553 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.
- **ECOSURFACER 553** should be covered next day with coating for sport grounds **ECOCOAT 551** or **ECOCUSHION 542**.

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, wooden based elements
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
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 **ECOPRIMER 502** 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. Consumption: 200 – 400 gr/m² depending on the absorption of the underlay.
 - When the primer is dry (approximately 1 hour depending on the ambient temperature), follows the application of **ECOSURFACER 553** for sealing the porosity of the subfloor.
 - Depending on the ambient temperature **ECOSURFACER 553** is diluted with 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 at 25°C. Consumption: 2kg/m² for 2 layers, depending on the roughness and absorbency of the surface.
 - Each layer of the material can be applied on a thickness of up to 0.5mm.
-

CONSUMPTION

1.3-3 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 **ECOSURFACER 553**.
- 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 **ECOSURFACER 553** 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 **ECOSURFACER 553** 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.

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 w : 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



ECOCUSHION COARSE 542

VERY ELASTIC, CUSHION, SUB-FLOOR FOR THE ECO-LINE SPORTS SYSTEMS

GENERAL CHARACTERISTICS

ECOCUSHION COARSE 542 is acrylic-based, highly flexible, pasty, wet-pour cushion flooring with natural, wooden-based elements in granulometry of 0.4-0.8mm 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 external and internal tennis, basketball, handball, football and volleyball courts etc.
- Applied easily, providing a safe, high quality game.

TECHNICAL DATA

Basis:	acrylic
Appearance:	viscous paste
Colors:	brown
Density:	0.80-0.90 kg/lt
Viscosity:	30.000-50.000 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 **ECOPRIMER 502** 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), **ECOSURFACER 553** 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 of the quality and the porosity of the subfloor.
- After 5-6 hours (at 25°C) **ECOCUSHION COARSE 542** is applied, in two up to four layers,

KDF - Kataskeves Dapedon LTD
e : exports@kdf.gr w : 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



depending on the thickness of the **ECOFLEX FLOOR SYSTEM**, diluted in 25% water, and applied by squeegee.

- Follows (after 5-6 hours at 25°C) the application of **ECOCUSHION FINE 542** in two layers, diluted in 25% water, applied by squeegee.
- As soon as **ECOCUSHION FINE 542** dries (5-6 hours at 25°C), follows the application of **ECOCOAT 551**.
- For the creation of lines in sport courts it is recommended the use of acrylic paint **ECOPAINT 518** in any desirable color.

CONSUMPTION

0.7kg/m² for 2 layers up to 1.48 kg/m² for 4 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 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 40°C, ideal time for the application of **ECOCUSHION COARSE 542** 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.

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 w : 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



ECOCUSHION FINE 542

VERY ELASTIC, CUSHION, SUB-FLOOR FOR THE ECO-LINE SPORTS SYSTEM

GENERAL CHARACTERISTICS

ECOCUSHION FINE 542 is acrylic-based, highly flexible, pasty, wet-pour cushion flooring with natural, wooden-based elements in granulometry of 0.1-0.4mm 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 external and internal tennis, basketball, handball, football and volleyball courts etc.
- Applied easily, providing a safe, high quality game.

TECHNICAL DATA

Basis:	acrylic
Appearance:	viscous paste
Colors:	brown
Density:	0.80-0.90 kg/l
Viscosity:	30.000-50.000 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 **ECOPRIMER 502** 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: 200gr/m² depending on the absorption of the underlay.
- When the primer begins to dry (1 hour usually, depending on ambient temperature), **ECUSURFACER 553** 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 5-6 hours (at 25°C) **ECOCUSHION COARSE 542** is applied, in two up to four layers,

KDF - Kataskeves Dapedon LTD
e : exports@kdf.gr w : 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



depending on the thickness of the **ECOFLEX FLOOR SYSTEM**, diluted in 25% water by squeegee.

- Follows (after 5-6 hours at 25°C) the application of **ECOCUSHION FINE 542** in two layers, diluted in 25% water by squeegee.
- As soon as **ECOCUSHION FINE 542** dries (5-6 hours at 25°C), follows the application of **ECOCOAT 551**.
- As final surface it is recommended that **ECOCUSHION FINE 542** is covered with elastic coating for sports grounds **ECOCOAT 551**.
- For the creation of lines in sport courts it is recommended the use of acrylic paint **ECOPAINT 518** in any desirable color.

CONSUMPTION

0.5-0.57 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 **ECOCUSHION FINE 542** 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

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 w : 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



ECOCOAT 551

SPECIAL, ELASTIC, COATING FOR THE ECO-LINE SPORTS SYSTEMS

GENERAL CHARACTERISTICS

ECOCOAT 551 is acrylic-based, flexible, colored, non-slip coating for external sport fields of the eco-line systems.

- Applied on asphalt and cement waterproofed surfaces without rising humidity issues, following the application of **ECOSURFACER 553** or **ECOCUSHION 542**.
- It can be also combined with prefabricated shock-absorbent rolls in thickness of 4mm to 14mm or the mixture **ECOMIX 580**.
- Ideal for basketball, volleyball, handball, football and tennis external courts. Suitable for sports centers, schools, fitness centers, pavements, hallways.
- Applied easily, having low cost.
- Provides a safe, high quality game.

TECHNICAL DATA

Basis:	one-component acrylic coating
Appearance:	viscous liquid
Colors:	in 24 colors form KDF colorchart
Viscosity:	10.000-20.000 mPa•s at 25°C
Density:	1.52 - 1.62 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, except in case of using shock-absorbent rolls, with bonding resin primer **ECOPRIMER 502** 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.
- When the primer dries (approximately 1 hour depending on the ambient temperature), follows the application of **ECOSURFACER 553** for sealing the pores of the underlay. Alternatively, the substrate can be the prefabricated shock-pad **ECOROLL 554** in thickness 4-14mm or an in-situ shock-pad **ECOMIX 580**.
- As soon as **ECOSURFACER 553** or **ECOCUSHION 542** dries (within 5-6 hours at 25°C),

follows the application of **ECOCOAT 551**.

- Depending on the ambient temperature **ECOCOAT 551** is diluted with 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 (within 5-6 hours at 25°C).
- After 5-6 hours, depending ambient temperature follows application of finishing paint **ECOCOAT 551**.

CONSUMPTION

- 1.5 kg/m² of **ECOCOAT 551** (three layers, for System ECOSPORT Hard Court).
- 1.8 kg/m² of **ECOCOAT 551** (three layers, for System ECOFLEX FLOOR).
- 2.2 – 2.5 kg/m² of **ECOCOAT 551** (three layers, for System AEL – EX ECOBOUNCE).
- 3.5 – 3.8 kg/m² of **ECOCOAT 551** (three layers, for System AEL – EX ECOBOUNCE WET-POUR).

In case of using the top coat **ECOPAINT 518** as final layer then the consumption of **ECOCOAT 551** will be:

- 1 kg/m² of **ECOCOAT 551** (two layers, for System ECOSPORT Hard Court).
- 1.4 kg/m² of **ECOCOAT 551** (two layers, for System ECOFLEX FLOOR).
- 1.8 – 2.1 kg/m² of **ECOCOAT 551** (two layers, for System AEL – EX ECOBOUNCE).
- 3.1 – 3.4 kg/m² of **ECOCOAT 551** (two layers, for System AEL – EX ECOBOUNCE WET-POUR).

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).

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 **ECOSURFACER 553**.
- During temperatures over 40°C, ideal time for the application of **ECOCOAT 551** 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.

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.