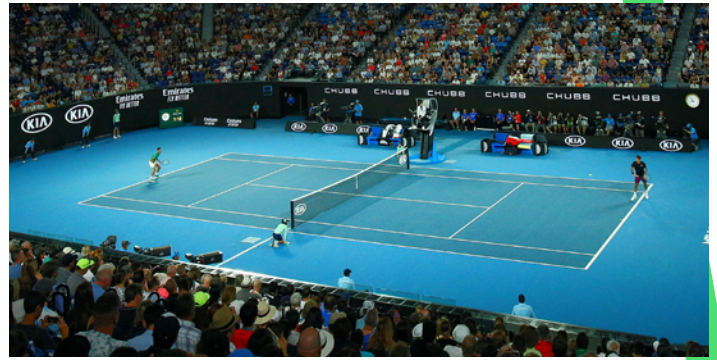


# Grand Slam Court.

## Technical specifications



### 01 General Information, Description and Use

GreenSet® GRAND SLAM is a top quality, non slip, wear-resistant, durable and enduring surface for tennis courts and other sports floors, suitable for indoor and outdoor use, for all kind of players and for all kind of game styles. Developed in 1970 to provide a moderate shock absorption and care for knee joints. It is the most used surface in elite private clubs and private facilities. It has been tested in laboratories and training centres, and classified by the ITF (International Tennis Federation) as a Medium to Medium-Slow surface.

GreenSet® GRAND SLAM surface can be applied on new asphalt, concrete, wooden floor, or sport surfaces of existing resin that need to be renewed.

Our products are supplied in convenient formulas that allow a uniform suspension of all components needing only the addition of fresh potable water to be ready for installation, ensuring consistency and homogeneity in any part of the court and between different courts worldwide.

They are not dangerous, nor harmful, and are respectful with the environment, evidenced by strict external tests that reflect for instance, the total absence of toxic substances such as heavy metals or asbestos, and extremely low contents in VOCs (Volatile Organic Compounds).

The GreenSet® surfaces purpose is not to waterproof or seal, prevent capillary rise, nor repair minor cracks. To ensure their qualities are preserved, follow the advice on the Maintenance and Care Guidelines.

They are manufactured in a factory assessed and certified as meeting the requirements of the ISO 9001: 2008 QUALITY MANAGEMENT SYSTEMS, as well as those of ISO 14001: 2004 ENVIRONMENTAL MANAGEMENT.

The requirements of ISO 14001 are an integral part of the Eco-Management and Audit Scheme (EMAS) of the European Union.

A minimum training in installing and preventing occupational hazards is recommended for professional personnel handling the products to facilitate proper understanding and interpretation of safety data sheets and labeling.

## 02 Technical Data of the Products

### GRAND SLAM Surface System

Cushion is a premixed resin acrylic emulsion mixed with different rubber particle granulometrys.

Our system consists of 3 Cushion layers. There is two ways to proceed with our Cushion system.

**System A:** After applying GreenSet® Black Base on top of the last Cushion layer, you can apply a layer of GreenSet® Color Base, which is a pre-mixed pigmented wear resistant acrylic emulsion. On top of GreenSet® Color Base, you apply a GreenSet® Finish, which is a pigmented wear resistant acrylic emulsion, as well.

**System B:** After applying GreenSet® Black Base on top of the last Cushion layer, you can apply a layer of GreenSet® Finish which is a pre-mixed pigmented wear resistant acrylic emulsion. On top of GreenSet® Finish, you can apply another coat of GreenSet® Finish.

### GreenSet Materials

GreenSet® surface is suitable for indoor and outdoor use, composed of high quality acrylic resins, specially selected siliceous sand, resistant pigments, additives, and organic solvents in an aqueous medium, while being respectful with the environment.

These materials are used for all GreenSet® tennis surfaces (GreenSet® TOUR, GreenSet® CUSHION, GreenSet® ECO-CUSHION, GreenSet® CLUB), as well as for other sport surfaces such

as multisport facilities, circuits (BMX), basketball, handball, etc. We offer a wide variety of colors to choose from and develop all kinds of custom colors.

### Health, Safety, and Environment

Read the Safety Data Sheet of each product available on request carefully and follow the drums' instructions for regular storage, handling, use, and disposal. All products are for professional use only. Do not ingest and keep out of reach of children. Dispose of containers and waste according to the regulations applicable in the region where they are being used.

Non-flammable, non-hazardous, and not harmful products (according to the Directive 1999/45 / EC - 2006/8 / EC), without restrictions on commercialization or use (Annex XVII REACH, etc.) and no need for specific labeling of danger, caution or hazard statement.

They do not have any significant health risk or environmental impact, neither in short nor in the long term. They have no substance taking part in their mixtures in a percentage greater than the exemption limit.

All ingredients are listed in the list of pre-registered substances published by the European Chemicals Agency (ECHA) under Article 28 of the Regulation 1907/2006. They do not contain substances subject to authorization in Regulation EC 1907/2006 (REACH), no substances listed in the authorization list of REACH Annex XIV, and no substances that perforate the ozone layer (Regulation EC 1005/2009), and are not considered a hazardous waste under the European Directive 2008/98 / EC.

## VOC

The limit content of VOCs (Volatile Organic Compounds) in the EU for all these products is 140.0 g/l (Cat. A.I) under the application of Directive 2010/75 / EU. The content in all GreenSet® products is significantly below this limit, therefore we possess the A + classification of INDOOR AIR QUALITY.



ISO 16000/AFFSET reports the level of emission of volatile substances in indoor air, with a risk of inhalation, in a class scale ranging from A+ (very low emissions) to C (high emissions).

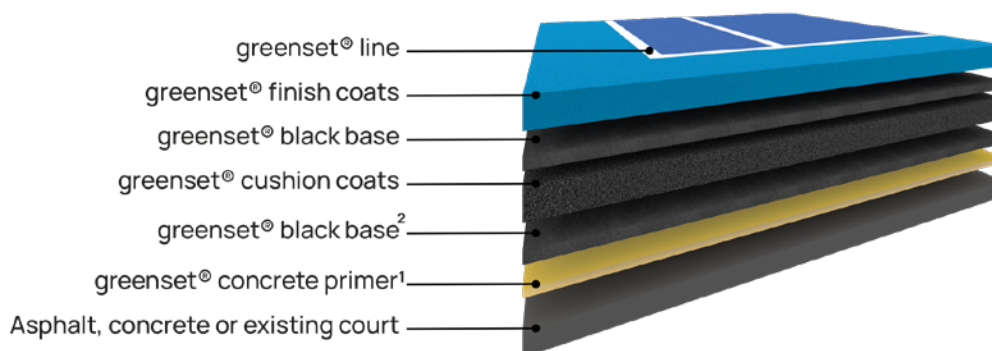
## Storage and Transport

The minimum temperature is 5 °C, and the maximum 40 °C. Prolonged storage at temperatures outside this margin may damage the product.

The maximum duration of sealed factory drums under ideal storage conditions (a dry, cool place between 15 °C and 25 °C and protected against damage) are 24 months in all cases.

Products are not subject to any hazardous classification or transport limitation (without ADR/ RID, AND, IMDG / IMO, IATA/OACI, etc.).

|                   | Packaging                                | Dilution                                                                         | Application rate                                                          | Drying times                                       |
|-------------------|------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------|
| <b>Cushion</b>    | Sturdy metal drums containing 5 gallons. | Maximum 10%, or ~0.5 gallon of water for 1 drums of Cushion.                     | ~ 39.2 sq.ft/gal total for three layers.                                  | 4 to 6 hours minimum.                              |
| <b>Black base</b> | Sturdy metal drums containing 5 gallons. | Maximum 8% to 10%, or 4–5 gallons of water per 6 drums of black base.            | On concrete bond:<br>~ 136 sq.ft/gal<br>On new asphalt:<br>~ 63 sq.ft/gal | 4 to 6 hours minimum.                              |
| <b>Finish</b>     | Sturdy metal drums containing 5 gallons. | Maximum 8% to 10%, or 2.1–2.6 gallons of water for each 5 drums of color finish. | ~ 129 sq.ft/gal                                                           | 4 to 6 hours minimum.                              |
| <b>Finish</b>     | Sturdy metal drums containing 5 gallons. | Maximum 8% to 10%, or 2.1–2.6 gallons of water for each 5 drums of color finish. | ~ 129 sq.ft/gal                                                           | 4 to 6 hours minimum.                              |
| <b>Line</b>       | Sturdy metal drums containing 5 gallons. | Do not dilute. If needed, maximum 5%.                                            | 5 gal/ 1 court                                                            | Minimum: 4 hours to touch and 24 hours to walk on. |



1 Needed for concrete surfaces: use concrete primer, bonding coat or Resurfacer

2 Only needed for new asphalt

## 03 Technical Data of the Surface

### ITF Certificates and Recognitions

GreenSet® offers surfaces classified by the International Tennis Federation in all possible ITF classifications (classes 1 to 5). GreenSet® has received and holds ITF Recognition (One-Star Recognition and Two-Star Recognition).

The recommended classification by the ITF for GreenSet® GRAND SLAM is a Medium or alternative Medium-Slow pace surface and the ITF certificate is Category 3 Medium.

### Fire Resistance

GreenSet® products have the Euroclass BFL - s1 certificate, according to UNE-EN ISO 11925-2:2011 and UNEEN9239-1:2011, hence they can resist a prolonged attack by small flames and an individual burning object, both with limitations for propagating the flame. These are products whose contribution to the fire is minimal.

They have very little smoke capacity, and in the event of fire, the burning drops would only last 10 seconds. Euroclass Classification of Reaction to Fire: CLASS B.

### Secure transport

Our products are not classified as flammable or dangerous according to the regulation of classification, labeling, and packaging of substances and mixtures (CLP) Rgto. 1272/2008. They are also non dangerous products for road, rail, sea, or air transport due to complying with ADR, IMDG, IATA.

### Resistance to Friction

Our custom resin surfaces, such as GreenSet® GRAND SLAM, deliver unparalleled durability and endurance. Their proven durability and high resistance to wear and abrasion are reflected in the continued good appearance and performance of heavily used facilities. All the resistance tests are performed in humid rubbing and the results exceed 10,000 (ten thousand) strokes/frictions. UNE-EN ISO 11998: 2007 Paints and Varnishes. Determination of the resistance of wet scrub and washability of coatings.

Our GRAND SLAM surface has also passed the EN 13036-4 friction test in 2018, that requires a result of less than 110 when the surface is dry and we tested at 102, and a result greater than 55 when it is wet and we tested 57.

## Resistance to Sunlight

The tests on our surfaces for resistance to sunlight simulated in Sun Tester XLS during more than 500 hours re-flect a resistance with a value of QSun DE <2 according to DIN EN 55 014. This means resistance to sun from our material is really high.

## Regarding the Environment

At GreenSet®, we are devoted to caring for the environment, safety, and innocuousness of our products. Therefore, we continuously submit our products to rigorous tests and stricter tests than those legally required for this product type. Our products even comply with the concentration levels of heavy metals that are allowed for packaging waste, in order to protect the environment according to Directive DIR 94/62/CE. Moreover, they are not produced with materials that contain substances that are carcinogenic, mutagenic, or toxic for reproduction (CMR). Our products do not contain PFAs (fluoridated substances) nor do they have high concerning substances.

## Absence of Harmful Substances (Heavy Metals, etc.)

Our products do not contain any harmful substances and are tested to confirm the absence of harmful substances. For example, tests using the technical method ME.Q.137 ICP-MS show that the acrylic resin products used in GreenSet® GRAND SLAM meet the requirements for the absence of heavy metals (Lead, Mercury, Chromium, Cadmium) apply EN 71-3, Class III, which establishes chemical migration limits for small children's toys and objects.

## Thickness of the Surface

The following are the approximate minimum standard thicknesses, but we can also customise them:

Thickness of just the cushioning layers: > 2 mm.  
Thickness of the entire system: > 3.5 mm.

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