



## TECHNICAL DATA SHEET

# SETLIFE SYSTEM

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## 1. DESCRIPTION

SETLIFE SYSTEM is an acrylic sport surface based on an acrylic resin and applied in seven layers. The system has been developed for high performance tennis practice at both club and professional level. It meets the specifications required by the International Tennis Federation (ITF).



07 · TL-Top Tennis

06 · TL-Colour

05 · TL-Base

04 · TL-Cushion 3<sup>rd</sup> layer

03 · TL-Cushion 2<sup>nd</sup> layer

02 · TL-Cushion 1<sup>st</sup> layer

01 · TL-Base

## 2. FEATURES AND BENEFITS OF THE SYSTEM

### Tested High Quality

Complies with the European standard UNE -EN 14877:2006 designed for "synthetic surfaces for outdoor sport areas " and the European standard UNE-EN 14904:2006 for " Indoor Surfaces for Multisports use."

Meets with the requirements of the ITF CS 01 /02, concerning the classification of the speed of the tennis court.

### Player comfort

Homogeneous and continuous surface without joints allowing a clean bounce over its entire surface and offering an open and comfortable support seeking compromise between grip for quick movement and a comfortable grip limit to avoid overloading the player's body.

### High strength and durability

- Suitable to withstand all weather conditions.
- High adhesion between layers, allowing a good stability over time.



- Resistant Color: color stability has been achieved by using high quality materials and pigments and has been validated by accelerated irradiation tests to ensure long life without losing the vivacity of their original colors.
- See also point 3 : Maintenance

### Waterproofing

- Waterproof System.
- The evacuation of the water is done by surface run-off towards the side of the court thanks to a slope (maximum slope of 1%, according to ITF specifications).

### Application

- Seven-layer system.
- Product ready to apply.

### Range of colours

- Standard colors: Green, Blue, Red and Purple, in different shades (ask for more details).
- Possibility to manufacture special colors on demand.

## 3. APPLICATION

### Support

System designed to apply on asphalt. Possibility to apply also on a non-porous concrete slab, adding a layer of epoxy mortar (see below)

Wait at least 14 days after the new asphalt is extended before applying the SETLIFE sport system. In the case of concrete support, do not apply within 28 days.

Check TECHNICAL REPORT for more details.

### Preparation of the base

The base must be durable, smooth, clean, dry, free of dust, grease, gasoline and other foreign materials.

If necessary, the bumps and irregularities must be corrected with TL- PB. For good results do not apply more than 4 mm per layer and let dry each layer thoroughly. All the layers of TL-PB must not exceed 1cm thick.

On concrete with slope, before applying the SETLIFE system, TL-C/BASE will be laid down to ensure a perfect adhesion with concrete. TL-C/BASE is a two-component mortar based on epoxy resins. Approximate consumption: between 0.8 and 1.2 kg/m<sup>2</sup> depending on the state of the concrete.



## Application of the SETLIFE sport system

Seven-layer system based on ready to use acrylic resins, without the addition of any aggregate.

7 Layers	Product	Aprox. Consumption	Drum capacity
Layer 1	TL-BASE	1,10 kg/ m <sup>2</sup>	20 kilos
Layer 2	TL-CUSHION	0,50 kg/ m <sup>2</sup>	20 kilos
Layer 3	TL-CUSHION	0,50 kg/ m <sup>2</sup>	20 kilos
Layer 4	TL-CUSHION	0,50 kg/ m <sup>2</sup>	20 kilos
Layer 5	TL-BASE	0,65 kg/ m <sup>2</sup>	20 kilos
Layer 6	TL-COLOUR	0,55 kg/ m <sup>2</sup>	20 kilos
Layer 7	TL-TOP TENNIS	0,45 kg/ m <sup>2</sup>	20 kilos

Marking	TL-LINE	0,01 kg/ m <sup>2</sup>	20 kilos
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**TL-BASE** : base coat of matte black color based on acrylic copolymer resins and high resistance pigments. It has a significant degree of compaction which allows getting a strong first layer with a high wear resistance.

**TL-CUSHION**: comfort layer based on an acrylic binder and rubber particles. Its aims at absorbing shocks and reducing injuries to joints and muscles and provides a greater level of comfort and enjoyment of the game.

**TL-COLOUR**: intermediate coat of matte color based on acrylic copolymer resins and high resistance pigments. It has a high wear resistance.

**TL-TOP TENNIS**: finish coat of matte color based on acrylic copolymer resins and high resistance pigments with an excellent light fastness. It has a high wear resistance and durability, as well as a good resistance to weather agents. Its texture ensures a uniform bounce of the ball and a good grip on the movement of the player.

**TL-LINE** for line marking, of matte color based on acrylic copolymer resins and high resistance pigments with an excellent light fastness. It has a high wear resistance and durability, as well as a good resistance to weather agents.

Application will be carried out with a rubber squeegee, except for lines marking.

Minimum temperature required for application: 10 ° C. (both room temperature and temperature of the base).

Do not install at imminent risk of rain or excessive heat.

If installed indoors, the minimum temperature must be 15 ° C.

## 4. DRYING AND CURING

Minimum temperature required for the drying and curing time: 10 ° C

The drying time between the layers depends on the temperature and the humidity. In normal weather conditions, at around 23°C, 6 hours are enough for TL -BASE layer to dry, 4 hours for TL -COLOUR and 3 hours for TL -TOP TENNIS.



## 5. MAINTENANCE

It is recommended to wash regularly the court with high pressure water to keep the court in good playing conditions and thus avoid the formation of dirty incrustations that could progressively damage the pavement.

In sport clubs where the use is intensive, the renewal of the courts is usually not required in at least 4 years. Then, depending on the intensity and conditions of use, the application of one new top layer may be necessary or a 2-layer resurfacing, or a 3-layer reconstruction in a long-term, also depending on the stability of the base on which is the court has been built.

## 6. STORAGE

The containers shall be stored perfectly closed and sheltered in indoor conditions, in places protected from frost and strong sun exposure. Temperatures below 5 ° C can affect product quality. The products can be kept for one year in their original drums, tightly closed and undamaged.

This information replaces all previous versions. Specifications and technical data are for guidance only. Tennislife International reserves the right to modify it without prior notice and declines any liability in case of misuse of the product.

