

# SPORTISCA T-Turf All in One.

Royal class sports fields for the masses.





# SPORTISCA T-Turf All in One.

## **Sports fields are made for everyone.**

The demand for sports facilities is bigger than ever. Yet, the space for such playing fields is getting scarce. Many municipalities, schools or clubs are facing the same problem. Demand surpasses supply. Furthermore, the need for each individual sports function varies and neither space nor funds are available to satisfy all requirements with separate playing fields. Conclusion: existing sports fields must be better utilized. And this is where the new multipurpose sports turfs of SPORTISCA can be of great benefit. Modern multi sports turfs do not require infill. They provide an excellent base for multipurpose sports applications and they are easy to clean and maintain. Plus, the utilization ratio is three times higher than that of a natural grass turf. In short: the new SPORTISCA multipurpose sports turfs satisfy all requirements at a low budget.



# SPORTISCA

## T-Turf All in One.

### World novelty with high performance features.

The launching of SPORTISCA T-Turf All in One enters a new era in the multipurpose sports market. This product evolved from SPORTISCA's uncompromising drive for innovation and presents a world novelty with high performance features. It is built on the premium turf SPORTISCA T-Turf S9 Revolution which is based on the HCSS-Technology (Hard Core-Soft Shell). The construction has been modified and adapted to satisfy the needs of a wide range of sports activities for application in the multipurpose sports area. The result is a high performance turf which has been engineered specifically to accommodate multipurpose sports functions. The spot-functional performance of SPORTISCA T-Turf All in One has been devised and manufactured to serve the highest number of sports activities possible.

Yet, the name "All in One" was not chosen at random. This turf offers a further unique feature.

For the first time in the history of artificial turf manufacturing, SPORTISCA has succeeded in engineering a turf product with no infill requirement and without an elastic layer while achieving a shock absorption of over 55%. By eliminating additional foreign components, we have devised an athletic turf in pure form, **with the following significant benefits:**

- Guaranteed shock-absorption irrespective of maintenance condition or temperature
- Guaranteed joint-friendly effect not only when new but also in the long run
- Skin-friendly thanks to the HCSS-Technology (Hard Core-Soft Shell)
- Elimination of infill material facilitates care and maintenance at lower expenditures
- **Safety of movement:** the turf offers optimal rotational resistance and thus warrants firm traction even when played on in wet conditions
- **Natural look** (cp authenticity check)
- Cost reduction through elimination of elastic layer
- **Easy installation** thanks to integrated elasticity
- **Easy handling** even for temporary use
- Elimination of additional foreign components provides increased longevity and stability
- **Temporary use with high safety: up to 80%** less seaming compared to modular tiles

Equipped with the HCSS-Technology (Hard Core-Soft Shell), SPORTISCA's T-Turf All in One sets a new standard for excellent resilience and long lasting durability.

# SPORTISCA

## T-Turf All in One.

### Benefits.

1:0

#### Longevity

An outstanding property of the new T-Turf Generation is its longevity

2:0

#### Excellent play and ball behavior

Active athletes are thrilled by the new T-Turf Generation's greatly improved safety of movement such as grip, traction and ball behavior.

3:0

#### Natural look

Visual optic is part of the game; athletes as well as spectators attach great importance to the visual appearance of the turf. The natural look of the new T-Turf Generation turf surface increases the attraction to the game.

4:0

#### Varied blade lengths

An absolute world novelty: for the first time, SPORTISCA has succeeded in lending the artificial turf a yet more natural characteristic by developing a surface pile with varied blade lengths. The result is an improved ball behavior as well as a more natural look.

5:0

#### Reduced risk of injury

Most important and central to the characteristic traits of a turf is the health and the safety of the athletes. Thanks to the new technology SPORTISCA has achieved significant improvements:

- Improved grip and traction notably reduce the danger of slipping and sliding and thus lower the risk of injury during the entire life span of the turf.
- Skin-friendly fibers reduce the risk of skin burns – even at high temperatures

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## T-Turf All in One.

### Benefits.



#### **Less seaming**

The latest production facilities in Urnäsch (CH) provide additional manufacturing benefits: The T-Roll™ Systems enable SPORTISCA to produce extra long rolls which allow for coverage of the entire width of the playing field. The result is reduced seaming and thus elimination of weak spots.



#### **Hygiene and cleanability**

Thanks to the SPORTISCA Triple T-Technology, the semi-tightly tufted T-Turf products with a hefty pile weight can easily be cleaned with rotation brushes. This effectively inhibits the growth of moss and algae which in turn enhances the hygiene and the life span of the product.



#### **No static charges**

The new T-Technology Generation is equipped with a permanent anti-static treatment and thus protects the players from irritating electric shocks.



#### **Sustainability**

Ecological considerations are an important part during each step of the production process. Hence, no softeners or solvents are used in the fabrication of T-Turf all in One products. Thus, this turf surface can be installed even in groundwater protection zones. Furthermore, compared to filled turf products, eventual disposal can be kept at a markedly low cost. Plus, SPORTISCA's T-Cycle disposal concept guarantees an all-round environmentally friendly waste removal.



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## T-Turf All in One.

### Integrated elasticity.

SPORTISCA T-Turf All in One is a turf surface with integrated elasticity. Other than with conventional systems providing elasticity through a laminated layer or infill material SPORTISCA's T-Turf all in One features a sophisticated pile construction, currently filed for patent. The elasticity is thereby fully integrated and thus provides increased longevity. It amounts to 55% and will yet slightly decrease through use.

The **joint-friendly properties** are guaranteed not only in new condition but also for the long run. Thanks to the HCSS-Technology the surface pile of T-Turf All in One features turf blades with significantly enhanced recovery, increased rebound strength and thus provides optimal playing conditions.



# SPORTISCA

## T-Turf All in One.

### HCSS-Technology™

(Hard Core-Soft Shell) stands at once for skin-friendliness and resilience

The HCSS fiber system with the skin-protecting polyethylene coating and hard-wearing polyamide fibers is a SPORTISCA innovation, currently filed for patent. This novel product was engineered in development collaboration with the Empa (Federal Material Research Laboratory and Research Institute).



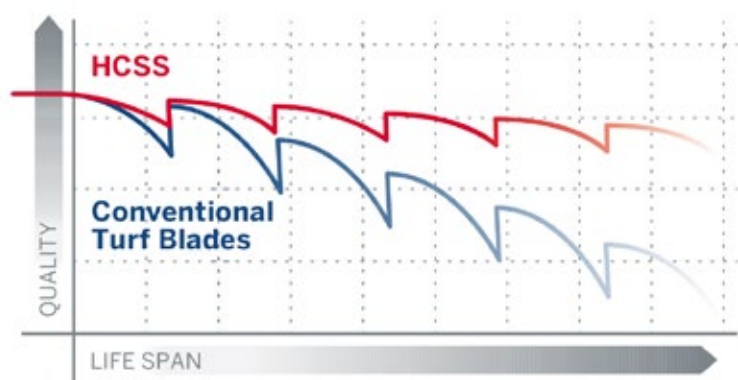
HCSS: A new fiber with natural re-bounce strength. Central element of the T-Turf S9 Revolution is HCSS, a newly developed fiber system which, with its pioneering properties, has reached a technological quantum leap. HCSS stands for "Hard Core-Soft Shell". It is made of hard core fibers embedded in a skin-friendly shell. This ingenious combination gives the T-Turf S9 Revolution a wide range of unrivaled advantages:

### To-date unparalleled longevity

Thanks to its robust re-bounce strength, the strong core fiber of the HCSS system provides extremely quick recovery cycles of the fiber blades. A constant upright position of the fiber blades does not only lend the turf a natural look but also maintains the sports-functional properties throughout the life span of the product. The advantage is clear: thanks to the greatly increased longevity, the Turf-Turf S9 Revolution offers a valued investment protection and gives you assurance that you have in every respect chosen a sustainable product.

### Everlasting playing conditions

The functional properties of the T-Turf S9 Revolution hardly alter between maintenance intervals. This significantly maximizes the utilization value and, compared to conventional turf products, extends the number of playing seasons.





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## T-Turf All in One.

**Multi functionality:** All in One is a **poly-sportive turf covering**. The sports-functional performance of this turf surface has not been developed for a specific sports activity: it has been engineered for the use of the highest number of sport activities possible. The result is a turf providing high usability and availability to a wide range of sports types. The goal was to meet the modern society's requirement for an existing infrastructure to be available to as many different sports activities as possible.

**Ease of installation:** Thanks to the integrated elasticity. In order to facilitate the handling of a temporary use the elasticity for the shock absorption has been integrated in the turf. Furthermore, due to the dimension stability of the backing and a hefty weight of 6 kg per m<sup>2</sup> the turf sheets can simply be pressed against each other during the installation. The result is an easy and cost-effective way to install the turf without glue or Velcro.

**Skin-friendly:** Thanks to the HCSS-Technology™ (Hard Core-Soft Shell)

**Safety:** The increased sliding resistance facilitates the turning of the foot and provides a firm grip. Plus, the difference with regard to the traction between dry/wet conditions is minimal. Thus, playing on wet turf is pleasant and safe. The turf's own elasticity system will protect the athletes from injuries when falling.

**Nature-like optic:** Authenticity-check, see installation below, Letzigrund Zurich



**Longevity/safety:** Reduced seaming of up to 80% compared to modular tiles which is of great importance with regard to the safety of the athletes as well as the longevity of the product (seams pose potential weak spots and tripping points).

**Don't wait. Play!**