



**TVS Sports Surfaces**

FITNESS FLOORING SPECIALISTS

**FLOOR COVERINGS  
& ELASTIC LAYERS**  
for outdoor areas



Protection and safety in sports. **SPORTEC®**



## SPORTEC® UNI Outdoor

### VERSATILE SURFACE FOR OUTDOOR AREAS

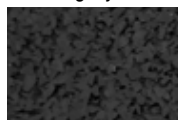
**SPORTEC® UNI Outdoor** is a durable flooring suitable for various types of applications. It is the ideal surface for outdoor multi-purpose sports areas due to its high resilience and excellent durability against mechanical impact. **SPORTEC® UNI Outdoor** for sports applications can be used with or without elastic underlay. In case of high shock absorbance required **SPORTEC® Standard** can be used as elastic underlay. The combination of **SPORTEC® UNI Outdoor** and **SPORTEC® Standard** is offered as **SPORTEC® UNI Sandwich Outdoor**.

#### Technical data:

<b>Material</b>	Coarse-grained coloured EPDM granules bonded with polyurethane elastomer.
<b>Colours</b>	dark-grey, red, blue, green, beige (other colours on request)
<b>Surface</b>	coarse granule structure
<b>Colour grades</b>	100% coloured EPDM granules
<b>Width</b>	1,250 mm (± 1.5%)
<b>Thickness</b>	4 mm (± 0.3 mm) (other thicknesses on request)
<b>Volumetric weight</b>	approx. 1,095 kg/m <sup>3</sup>
<b>Roll length</b>	30 m (± 1.5%)
<b>Tensile strength</b>	approx. 0.6 N/mm <sup>2</sup> (EN ISO 1798)
<b>Elongation at break</b>	approx. 60% (EN ISO 1798)
<b>Hardness</b>	60 ± 5 Shore A (DIN 53505)
<b>Compression set</b>	approx. 15% (DIN 53517)
<b>Fire resistance</b>	C <sub>fl</sub> s1 (DIN EN 13501-1)

#### Standard colours:

dark-grey



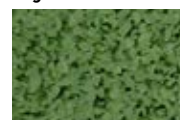
red



blue



green



beige





## SPORTEC® UNI Sandwich Outdoor

### PREVENTING JOINT DAMAGES AND INJURIES

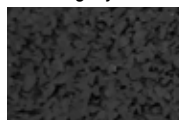
**SPORTEC® UNI Sandwich Outdoor** is a combination of our well-engineered elastic layer **SPORTEC® Standard** and our **SPORTEC® UNI Outdoor** floor covering. This combination offers a maximum protection and safety while preventing joint damages and injuries. It proves its perfect suitability as outdoor sports surfacing for basketball, volleyball and multipurpose fields.

#### Technical data:

<b>Material</b>	Surface: coarse-grained EPDM granules bonded with polyurethane elastomer Underlay: fine rubber granules bonded with polyurethane elastomer
<b>Colours</b>	surface available in green, blue, red, dark-grey and beige (other colours on request) Underlay: black
<b>Width</b>	Surface: 1,250 mm (± 1.5%) Underlay: 1,500 mm (± 1.5%)
<b>Thickness</b>	Surface: 4 mm (± 0.3 mm) Underlay: standard thickness of SPORTEC® Standard (other thicknesses on request)
<b>Roll length</b>	Surface: 30 m (± 1.5%) Underlay: standard length (other length on request)
<b>Tensile Strength*</b>	0.7 N/mm <sup>2</sup> (EN 12230)
<b>Elongation at break*</b>	59% (EN 12230)
<b>Resistance to wear*</b>	2.9 g (ISO 5470-1)
<b>Colour change*</b>	4 (ISO 105-A02)
<b>Friction (dry/wet)*</b>	101/56 (EN 13036-4)
<b>Vertical deformation*</b>	0.6 (EN 14809)
<b>Ball rebound*</b>	100% (EN 14877)

#### Standard colours surface:

dark-grey



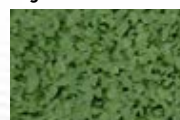
red



blue



green



beige



\* Test results for UNI Sandwich Outdoor with 4 + 4 mm thickness



SPORTEC® UNI Outdoor Sandwich, Hong Kong

## MULTISPORTS



SPORTEC® UNI Outdoor, Spain



SPORTEC® UNI Outdoor Sandwich, China

## BASKETBALL



SPORTEC® UNI Outdoor Sandwich, France



SPORTEC® UNI Outdoor Sandwich, Austria

## TENNIS



SPORTEC® UNI Outdoor Sandwich, China



SPORTEC® UNI OutdoorSandwich, France

## ATHLETICS



SPORTEC® Black Sprint, China



## SPORTEC® Black Sprint

HIGH-PERFORMANCE IN ALL FORMS STARTS HERE ON FIRM GROUND

Directly in the moments beforehand all expectations are directed towards it: **SPORTEC® Black Sprint**. This elastic sub-base offers toughness and reliability for run-up or warm-up tracks in track and field athletics, in street ball and other multipurpose outdoor areas. **SPORTEC® Black Sprint** proves itself through cost-effective and rapid installation – fixed on firmly compacted sub-structure. The surface coatings offered, made of Polyurethane with EPDM granules, make **SPORTEC® Black Sprint** resistant to loads such as spikes, UV light and extreme weather conditions.

A special reinforcing layer guarantees stability of shape and stabilises movements of both track and field athletes and sports enthusiasts over a long period of time. **SPORTEC® Black Sprint** is resistant to decay, does not harden and does not embrittle.

### Technical data

<b>Material</b>	a mixture of black recycling rubber granules bonded with polyurethane elastomer
<b>Colour</b>	black
<b>Surface</b>	granule structure
<b>Width</b>	1,250 mm (± 1.5%)
<b>Thickness</b>	10 mm (± 0.3 mm) (other thicknesses on request)
<b>Volumetric weight</b>	approx. 650 kg/m <sup>3</sup>
<b>Roll length</b>	at 10 mm thickness: 35 m (± 1.5%)
<b>Tensile strength</b>	approx. 0.2 N/mm <sup>2</sup> [EN ISO 1798]
<b>Elongation at break</b>	approx. 40% [EN ISO 1798]
<b>Water permeability</b>	4500 cm/h [EN 12616]



PU layer with EPDM granules

Pore sealing

SPORTEC® black sprint



## SPORTEC® Team Soft

### THE ARTIFICIAL TURF UNDERLAY FOR OUTDOOR HOCKEY PITCHES

Manufactured from recycled tyre fibres, **SPORTEC® Team Soft** is an outstanding underlay for artificial hockey pitches, ensuring superb playability and excellent protection for players of all skill levels. Simple installation, long service life are further benefits provided by **SPORTEC® Team Soft**. The elastic underlay is simply loose laid over the solid subsurface base and glued to the neighbouring underlay sections.

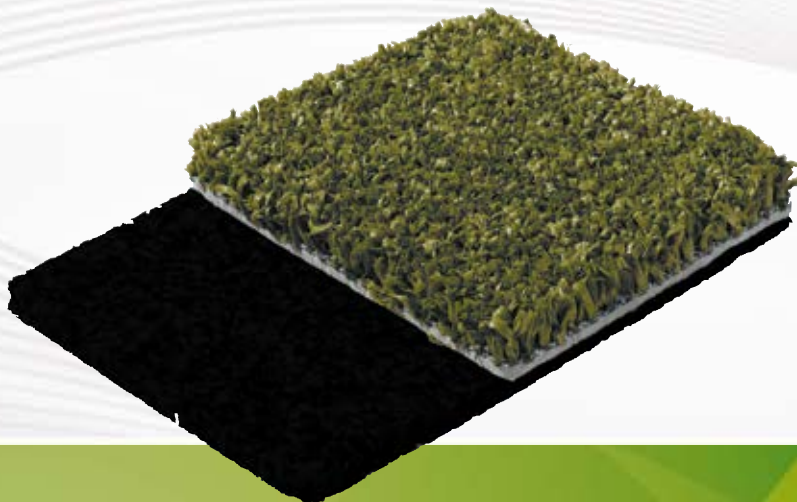
#### Technical data

<b>Material</b>	Recycled tyre fibres bonded with polyurethane elastomer
<b>Colour</b>	black
<b>Surface</b>	fine fibre-textured
<b>Width</b>	1,500 mm ( $\pm 1.5\%$ )
<b>Thicknesses</b>	8, 9 and 12 mm ( $\pm 0.3$ mm)
<b>Volumetric weight</b>	approx. 650 kg/m <sup>3</sup>
<b>Roll length</b> [m/at mm thickness]	40/8, 31/10, 26/12 ( $\pm 1.5\%$ )
<b>Tensile strength</b>	approx. 0.6 N/mm <sup>2</sup> (EN ISO 1798)
<b>Elongation at break</b>	approx. 60% (EN ISO 1798)



## Features and Benefits

- long service life
- simple to install and exchange
- loose laid





## SPORTEC® Team Cup

### NEW GENERATION SHOCKPAD FOR ARTIFICIAL TURF SYSTEMS

**SPORTEC® Team Cup** is reliable as a turf substructure for different types of artificial turf. As ready-made rolls, it is the alternative to conventional elastic and granule substructures with filled artificial turf. **SPORTEC® Team Cup** is enduring, load-carrying and uncomplicated: it is loose laid under artificial turf systems so that the turf layer can be exchanged without any problems. Its specially developed formulation ensures fulfilment of DIN requirements for stress relaxation, ball rebound, drainage capacity and environmental compatibility (see DIN V 18035-7). A special compound of high performance rubber granules makes **SPORTEC® Team Cup** an innovative substructure for artificial turf fields. The special composition means good ball rebound, outstanding force reduction and good drainage.

#### Technical Data

<b>Material</b>	A mixture of black recycling rubber granules bonded with polyurethane elastomer
<b>Colour</b>	black
<b>Surface</b>	granule structure
<b>Width</b>	1,250 mm (± 1.5%)
<b>Thicknesses</b>	8, 9, 10, 14 and 15 mm (± 0.3 mm)
<b>Volumetric weight</b>	approx. 650 kg/m <sup>3</sup>
<b>Roll length [m/at mm thickness]</b>	45/8, 40/9, 36/10, 30/12, 25/14, 24/15 (± 1.5%)
<b>Tensile strength</b>	approx. 0.2 N/mm <sup>2</sup> (EN ISO 1798)
<b>Elongation at break</b>	approx. 40% (EN ISO 1798)
<b>Water permeability</b>	4500 cm/h (EN 12616)
<b>Force reduction*</b>	62% (DIN V 18035-7:2002-06)
<b>Ball rebound*</b>	59% (DIN V 18035-7:2002-06)
<b>Ball roll behaviour*</b>	10.9 m (DIN V 18035-7:2002-06)

\* artificial grass system with sand and EPDM granulate infill

#### Features and Benefits

- long service life
- simple to install and exchange
- loose laid
- permeable to water





SPORTEC® Team Cup, Germany

## FOOTBALL



SPORTEC® Team Cup, Germany



**SPORTEC<sup>®</sup>**

RUBBER FLOORING PRODUCTS & ELASTIC LAYERS  
made from recycled rubber granules

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