

GRASS

FSB 2009 special



Soccer
American football
Hockey
Tennis

Padel
Golf
Multisport
Landscape

 **TENCATE**
materials that make a difference

FIFA-certified soccer fields

Materials that make a difference

TenCate Grass is the global leader in synthetic turf blades and components, and offers progressive system solutions for world markets. The TenCate Grass turf components are engineered with advanced application knowledge to meet the demanding performance standards of today's synthetic sport and landscape turf systems. The requirements of end-users are based on both existing regulations and customer-specific needs. Together these demands form a continuous challenge that has to be met and satisfied. With the advanced and innovative application knowledge, TenCate Grass offers the right system solution.

TENCATE PERFORMANCE WARRANTY CONCEPT™

Initial research and development efforts brought TenCate to the realisation that existing extrusion and polymer technologies could not provide the badly needed resilient, shaped and split-resistant fibres for durable FIFA 2 STAR performance without making the fibres extremely thick and heavy. At FSB 2009, TenCate will introduce its XQ™ Technology.

The monofilament turf fibres based on XQ™ Technology have exceptional split resistance compared to conventional turf fibres. In combination with the right fibre cross-section, carpet construction and turf installation XQ™ Technology makes it possible to create premium soccer fields that can not only meet FIFA 2 STAR performance for five years but are sliding friendly, durable and simply great to play on.

Following years of field testing, TenCate is confident about the benefits of new XQ™ Technology. So much so that TenCate will soon offer a FIFA 2 STAR performance warranty in close cooperation with selective business partners and insurance company ALLIANZ. This revolutionary warranty concept will be made available for field designs based on turf fibers made with TenCate XQ™ Technology and have been tested to conform to a stringent quality specification.

First pilot project

The first field that carries this warranty was recently installed in Breukelen, near Amsterdam in the Netherlands. The field was made by Edel Grass and installed by Oranjewoud Realisatie.



First warranty field installed at FC Breukelen, the Netherlands

TenCate Performance Warranty Concept™

- 5 year FIFA 2 Star performance warranty
- Based on new TenCate XQ™ Technology
- Resilient shaped yarns with enhanced durability
- Third party insurance by ALLIANZ
- Turf systems tested and certified by TenCate
- Will be sold through selected partners

High-use sports fields

For many, synthetic turf comes with the expectation that it can be played on relentlessly without issue. The ability to use the field any time and all the time is clearly one of the major reasons for the growing popularity of synthetic turf. It should therefore be no surprise that a growing number of fields are used from early morning into the late hours, sometimes well over 3,000 hours a year.

In many countries around the world all sorts of high-use turf applications are popular such as mini-soccer, school sports, community fields, indoor sport centres, practice fields, etc. These fields are often played on with all kinds of footwear: traditional studs, blades and flat soles. Obviously, the physical stress on the fibre is extreme on such fields and fibres often wear out fast.

Years ago, TenCate introduced fibres with its XP™ Technology. Laboratory testing at the time showed exceptional resistance to wear, which is why these TenCate Tapeslide™ XP™ products are recommended for high-use sports fields. Since its introduction six years ago, TenCate have monitored a large number of extreme use installations worldwide. The results are stunning: all fields made with

TenCate Tapeslide™ XP™ fibres are not only still in use today, but without exception, they remain in excellent condition, showing either no or only minimal signs of wear, and are seemingly good to go for another six years. As evidenced by their growing popularity, products based on XP™ Technology are accepted by the industry as the proven product of choice for high-use fields.



Cruyff Court community fields are exclusively made with TenCate Tapeslide™ XP™ turf blades.



TenCate Tapeslide™ XP™ turf blades after 40,000 cycles of Lisport testing

Exceptional durability

TenCate will start offering an extended warranty against wear on synthetic turf fields made with TenCate Tapeslide™ XP™ fibers. Remarkably, the warranty excludes limits to the hours of play during the warranty period. This extended warranty that is to be sold through business partners will cover the unlikely event that a field made of TenCate Tapeslide™ XP™ fibers shows excessive wear or splitting,

defined in much stricter terms than conventional industry warranties. In such cases, the remedy is based on the original value of the field. Through this unique warranty program TenCate expresses its trust in the exceptional durability of TenCate Tapeslide™ XP™ products.



Landscaping

Modern synthetic turf looks amazingly real and adds to the looks of your landscape. The applications are endless: residential lawns, rooftop gardens, playgrounds, pet areas, roadway medians and even airports.

Natural look

As with any lawn, visual appeal is critical to synthetic landscaping installations. TenCate offers many synthetic turf components to create the look and feel of natural grass at its best. Various yarns are available to emulate the looks of types of grass around the world. And synthetic turf can be designed to meet special needs, such as high traffic, decoration, erosion control, children's play, etc. This is achieved through combinations of various types and colors of monofilaments, texturised and knit-de-knit yarns.

Environment

Synthetic turf is also environmentally green. Counter to popular perception, the environmental impact of natural lawns is significant:

- Lawns are often cared for with herbicides, pesticides and fertilizers polluting water sources
- Maintaining a lawn in arid climates requires large amounts of scarce water

- Lawn mowers emit greenhouse gases and contribute to urban smog during summer months

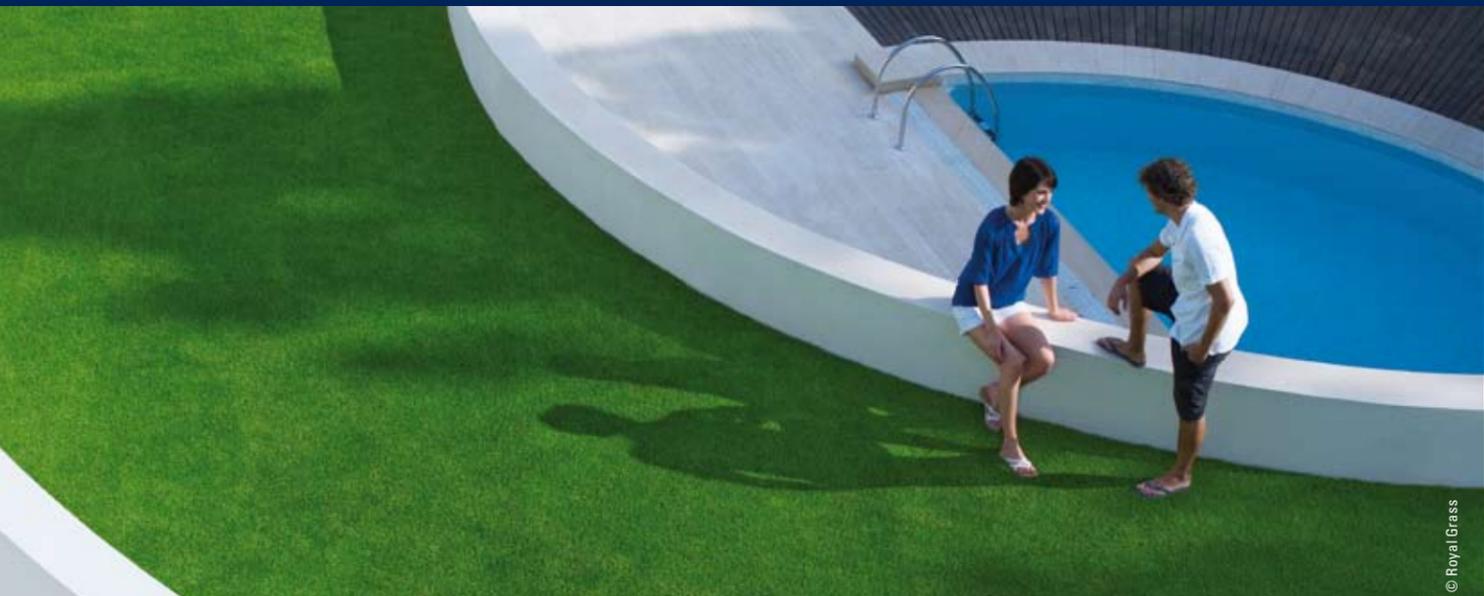
Once installed, synthetic turf saves herbicides, pesticides, fertilizers, carbon emissions and tons of precious water. At the same time synthetic turf provides a beautifully green space for recreation.

Lower maintenance, lower cost

Financially, synthetic turf makes sense as well. The reduced cost of maintenance typically offsets the initial investment within a couple of years. According to calculations, the payback time on new installations can be as short as 2 years.

Benefits

- Always beautifully green
- No mowing and no seeding needed
- No fertilizer pollution
- No pollution with pesticides, herbicides or fungicides
- No watering
- Reduced carbon emissions
- Low maintenance cost



© Royal Grass

Combined power

TENCATE BACKING™ SOLUTIONS

TenCate multilayer backings fulfill an invisible yet stabilizing task for synthetic turf systems. Intensive research and a constant focus on customer needs have resulted in a new generation of multilayer backing products for nearly all outdoor sport applications in a variety of versions. TenCate continues to set the standard for outdoor backing products for synthetic turf systems.

The TenCate multilayer backings are lighter and yet stronger than the classic needle-punched backings and provide an excellent tuft bind. The unique construction of the backings provides excellent adhesion between the various layers. The multilayer backings have lower latex or polyurethane absorption without compromising strength and stability. The unique features make the TenCate multilayer backings the perfect solution for today's synthetic turf systems.



Unique features

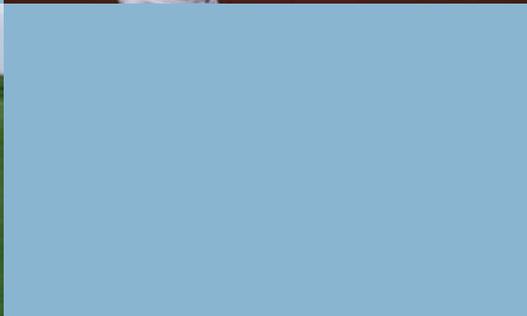
- Stronger than classic needle-punched products
- Excellent tuft bind
- Lower absorption of latex or polyurethane
- Excellent adhesion between the various layers
- Lighter in weight than classic constructions
- Improved stability
- Additional system functionalities available on an exclusive basis

CONCEPT G4

TenCate is peeking into the future by putting on display an exciting new concept turf product at FSB 'Concept G4'. Concept G4 is an innovatively constructed turf carpet that is based on a family of patents. It was designed to offer enhanced playability, stability, recyclability and speedy installation. As the name suggests, this new generation of turf is under development. A number of fields will be installed in the coming year and monitored closely.



GRASS



North America
South America

Europe
Middle East
Africa

Asia
Australia

www.tencategrass.com

 **TENCATE**
materials that make a difference