

LigaTURF®

MADE FOR THE NORTH

A sustainable, high-performance
turf system for nordic conditions

polytan
WE MAKE SPORT.



EXTREMELY HIGH PERFORMANCE. EXTREMELY SUSTAINABLE DESIGN.

The ability to play and train all year round is indispensable for many football clubs. A modern synthetic turf therefore has to offer optimal playing characteristics in all kinds of weather. That's why we at Polytan have created a system that can withstand heavy rain, wind, frost and snow.

Our LigaTurf Cross R with new BioFusion infill is a sustainable synthetic turf system created especially for extreme weather conditions: durable and robust from its synthetic turf blades to its infill granules.

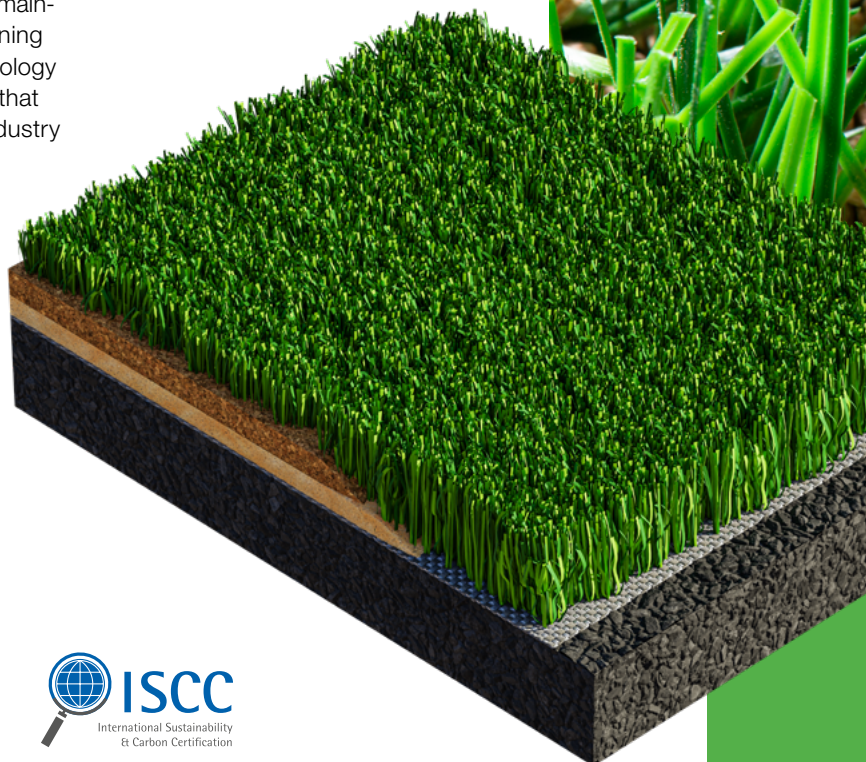
LIGATURF CROSS R: GREEN TURF INNOVATION

LigaTurf Cross R combines the playing characteristics of a natural football pitch with technologies that make it as robust and low-maintenance as fully textured synthetic turf. With filaments containing recycled material, the turf belongs to the Polytan Green technology product line: a new generation of highly advanced products that combine the latest technological knowhow of the plastics industry with the functional and ecological benefits of renewable raw materials or alternative climate-friendly technologies.

NATURALLY RECYCLED

Polytan is committed to sustainability and produces LigaTurf Cross R using recycled plastic from the transport and packaging industries. Approximately 20% of the compound is composed of recycled granules containing PCR (Post Consumer Recycled) material – and through upcycling, a waste product is turned into a high-quality synthetic turf with a lifespan of up to 15 years.

- Certifiably sustainable according to the International Sustainability & Carbon Certificate (ISCC)
- Reduced percentage of fossil raw materials
- Low carbon footprint and energy output
- Certified use of recycled raw material in accordance with the ISCC mass balance approach



INFILL CLIMATE ZONES

Does not freeze



Cooling



BIOFUSION-INFILL



BIOFUSION INFILL: SOFT SHELL, TOUGH CORE

The climate conditions of the Nordic regions pose their own unique challenges when it comes to the filling of synthetic turf. Polytan's brand new BioFusion infill is the answer and the solution for the future of sustainable football.

BioFusion: a unique blend of olive pits and cork. This mix ensures the infill is 100% organic and free from microplastics. It combines the benefits of both materials, while compensating for the drawbacks. The result: a well-rounded infill with the perfect balance of elasticity, density, compactness, durability and wear-resistance. The infill also compensates for temperature differences by cooling the surface in hot weather and not freezing in cold temperatures.

POLYBASE GT: LONG-LASTING ELASTICITY

In an in-situ construction, the elastic layer plays a vital role in maintaining the playing properties and usage quality of our synthetic football turf. Polytan has used this sustainable solution for the elastic substructure of its synthetic turf for more than 35 years.

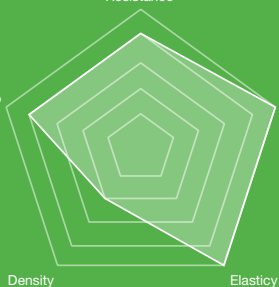
That's why we install our LigaTurf Cross R with BioFusion infill on a PolyBase GT elastic layer with a thickness of 25 mm.

Alternatively, Polytan also offers a shock pad system, which can be used as an elastic base layer. All system variants are tested in accordance with EN 15330-1, Nordic and the FIFA Quality Programme for Football Turf.



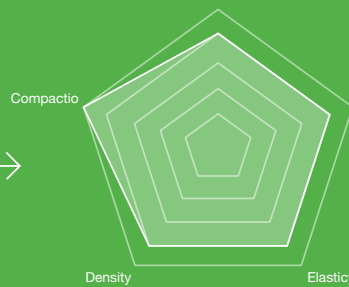
CORK

Abrasion Resistance



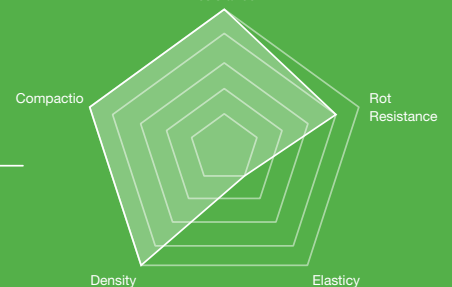
POLYTAN BIOFUSION

Abrasion Resistance



OLIVE PITS

Abrasion Resistance



Compactio

Rot Resistance

Compactio

Rot Resistance

Compactio

Rot Resistance

Density

Elasticity

Density

Elasticity

Density

Elasticity

HIGH PERFORMANCE FOR THE FAR NORTH



QUICK FACTS

LIGATURF CROSS R

- Green technology inside: Filaments made from recycled raw materials
- Combination of smooth turf filaments (365 µm fibre thickness) and textured turf filaments (255 µm fibre thickness)
- Exclusive Polytan PreciTex texturing technology
- Optimal retention of infill in the system
- Exclusive Polytan 100 % PolyCoat PU wear coat with TuftGuard function
- The look and feel of natural grass with the durability of synthetic turf

INFILL

- **Resistant to wind and weather**
thanks to its increased weight compared with pure cork infill
- **Soft cork**
for a pleasant feel
- **Less water retention**
thanks to the use of olive pits
- **100 % organic, 0 % microplastic**
for a sound investment in the future

POLYBASE GT

- Perfectly even and seamless surface, thanks to in-situ construction
- Rubber granules made of 100 % post-consumer recycled material, in accordance with REACH
- Permanently elastic layer provides decades of use
- Old material can be recycled and directly reused in new installations
- No surface sealing, thanks to water permeability
- Sustainable Polytan PU binding agent
- Positive environmental footprint, compared with rubber granules made of new material

Get personalised support for your questions

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AREAS OF USE

Made for the north and for use in:

- Communal sports facilities
- Amateur clubs
- School sports facilities



We act sustainably – from the development and selection of our raw materials to the production, installation, maintenance and recycling of our sports surfaces.

Our products are designed with durability and efficient manufacturing in mind, using ecological materials and reliable processes. More at: polytan.com/sustainability