



BETULA
TECHNOLOGY GROUP



NorFill

– Make artificial grass greener

**A 100% biological and carbon neutral
granulate for artificial grass pitches**

Woodburn, Sheffield FA Testhub

NorFill has been installed at the Sheffield FA Testhub in a project run by the Football Foundation UK, which is sponsored by the English Premier League and the English FA. The project is testing 6 of the market's best new infill solutions. The pitch with NorFill has after 1 year received among the best results in the project. NorFill has collaborated with Lano Sports on the pitch in Sheffield. In 2025, more pitches in the UK will be installed with NorFill.

The system in Sheffield:

- Shock pad: Trocellen 5012XC
- Artificial grass: Lano Profoot TLT Star 45
- Sand: 20 kg/m²
- NorFill: 5 kg/m²



NorFill – PROPERTIES

- Meets FIFA Quality Pro requirements (LAB AND FIELD)
- Documented good winter properties below -10C*
- Adheres significantly less than plastic infill
- Low granulate migration from the pitch
- Approved tests for skin abrasion
- Meets test requirements for wear and tear on infill and artificial grass system
- Positive player feedback
- Negligible dusting during high use (approved for indoor use)
- Does not float in heavy rain
- The infill stays stable on the pitch
- Breaks down quickly in nature, but not on the pitch
- Contains no environmental toxins
- Carbon neutral
- Does not burn
- Reinforced cellulose bonds between fibers for optimal lifespan
- Many tested and approved artificial grass systems
- Absorbs minimal heat
- Optimal water permeability

Tested and documented by:

SPORTSLABS LTD – RANDESUND IL – GOE-IP – NFF –
KEPPLER UNI.LINZ – SINTEF

PRICE:

Competitive prices. Contact the supplier of NorFill for a specific offer, or contact us directly.

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The development of NorFill

NorFill is a 100% biological infill for artificial turf pitches that meets all requirements of the EU's upcoming ban in 2031.

The product was developed based on a specification from the Norwegian Football Federation in 2017, through the Erasmus Striker project. This is an international pilot project led by football associations and research institutions from six different countries, with the aim of making future artificial turf pitches more environmentally friendly through testing and innovation.

The first version of the infill was installed at Sukkevann Sports Park in Kristiansand in August 2021. Based on positive experiences and feedback from this pilot, a research and development (R&D) project was established in 2022 in collaboration with the Norwegian Football Federation and several Norwegian municipalities. The goal was to further develop and test NorFill at scale across a total of ten pitches.

The results from the R&D project have been very positive, with strong player feedback and solid test results. During the project period, two new versions of the granulate were developed, with the latest version now marketed as NorFill.

In July 2024, NorFill was commercially launched as a viable alternative to traditional rubber granulate. To date, more than 40 pitches have been installed with NorFill across Norway, as well as facilities in England, Switzerland, Hungary, and the Czech Republic.

In 2026, NorFill was acquired by Betula Technology Group AS. The company aims to further develop and scale the business, making 100% environmentally friendly infill available for artificial turf pitches across Europe—without compromising quality or player experience.

The artificial turf field at Jordal hosted the 1st round of the NM senior. There, Vålerenga IF and Union Carl Berner met for a match. After the live NRK1 match, the Vålerenga captain had this to say to the Norwegian Football Association about the field that was installed with NorFill;

“Of the alternative surfaces, this is one of the better ones I have played on,” says Vålerenga captain Christian Borchgrevink.

NorFill is well documented in terms of environment, lifespan, football technical characteristics and player feedback by independent 3rd party institutions such as SINTEF, Sports Labs and Keppler University in Linz. The infill is 100% biological and is produced from Norwegian birch at Årdal in Rogaland by Betula Technology Group AS.

