

Biodegradable Infill for Artificial Turf



BIQ Materials offers biodegradable granules for use as infill on high-quality artificial turf fields from grassroots football to elite level. BIQ100 is suitable for grassroots football, ball courts and play areas. Turf system with BIQ100 has undergone field tests according to FIFA's requirements.

Good Playing Experience Year-Round

The excellent playing characteristics come from the material's flexibility and softness. High resistance to UV radiation ensures a long product lifespan and enables the right playing experience both outdoors and indoors, year-round. The material has undergone wear tests showing that it retains its excellent properties even after 60,000 cycles, equivalent to up to 24 years of use – far more than other infill materials.

BIQ100 is well-suited for fields that are heavily used. The shape and material properties enable an excellent playing experience year-round as it does not freeze and creates air channels between the granules that allow water to drain through.

OD100

- + Biodegradable
- + Free from permanent microplastics
- + Recyclable
- + Free from harmful substances
- + Unique playing properties
- + Year-round performance
- + Field test approved

Environmental Properties

BIQ Materials products are based on a completely new infill solution developed to be an environmentally friendly alternative to traditional infill materials. BIQ100 is based on certified compostable ingredients that can be biologically broken down by microorganisms without leaving any permanent microplastics when it ends up in nature. On the field, it does not break down. The infill is also free from environmentally hazardous and health-hazardous substances. The product has been reviewed by Byggarubedömningen and received an overall rating of accepted, with the content rated as recommended.



A Circular and Sustainable Choice

BIQ Materials infill product BIQ200 can be recycled, composted, or incinerated, allowing the cycle to be completed in many ways. This makes our infill a circular and sustainable choice. It is possible to return the used infill to us for recycling into new infill. Contact us and we will be happy to tell you more.



Technical Data

In addition to the technical properties summarized below, accelerated weather tests (SAE J1960) have shown no visible erosion or color change on BIQ Materials infill after exposure to various temperatures, humidity, and UV light tests.

Parameter	Value	Unit	Method
Color	Available in different colors	-	-
Density	1,2	g/cm ³	ISO 1183
Bulk Density	700	kg/m ³	EN 14955: 2005
Hardness	35	Shore D	ISO 48-4
Water Absorption	0,35	%	ISO 62

A Cost-Effective Alternative

Thanks to the material properties, high density, and long durability, BIQ100 is a cost-effective alternative when comparing the square meter price per year with other infill materials. The material properties mean that a smaller amount is needed to achieve the right playing characteristics. The high density leads to less refilling as it stays on the field during rain and wind. And the long durability means it can be used much longer than other infill materials.

What makes BIQ100 even more preferable is that it is 100% recyclable, which not only provides an economic benefit but also is a sustainable option for the environment. The recyclability makes BIQ100 a future-proof choice, both for your economy and for our planet.