

## 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. BIQ200 is suitable for fields with high usage. As part of a turf system with FIFA preferred providers, this infill meets FIFA's requirements for playing characteristics according to FIFA Quality. This ensures sustainability, safety, and playing characteristics.

### Great playing experience year-round

The excellent playing characteristics come from the material's flexibility and softness. High resistance to UV radiation results in a long product lifespan and ensures 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.

BIQ200 has, as part of a turf system provided by leading turf manufacturers, been certified according to FIFA Quality. This means that safety, sustainability, and playing characteristics are verified. It is suitable 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 currents between the granules that allow water to drain through.

### Environmental properties

### BIQ200

- + Part of an artificial turf system that meets FIFA Quality requirements
- + Biodegradable
- + Free from permanent microplastics
- + Recyclable
- + Free from harmful substances
- + Unique playing characteristics
- + Year-round performance

BIQ Materials products are based on a completely new infill solution developed to be an environmentally friendly alternative to traditional infill materials. BIQ200 is based on certified compostable ingredients that can be biologically broken down by microorganisms without leaving any permanent microplastics behind 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 the overall assessment of "accepted," with the content assessed 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 not shown any visible erosion or color change on BIQ Materials infill after exposure to various temperatures, humidity, and UV light tests.

<b>Parameter</b>	<b>Value</b>	<b>Unit</b>	<b>Method</b>
Color	Available in different colors	-	-
Density	1,2	g/cm <sup>3</sup>	ISO 1183
Bulk Density	700	kg/m <sup>3</sup>	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, BIQ200 is a cost-effective alternative when comparing the price per square meter 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 replenishment 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 BIQ200 even more preferable is that it is 100% recyclable, which not only provides an economic benefit but is also a sustainable option for the environment. The recyclability makes OD200 a future-proof choice, both for the economy and for our planet.