

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. BIQ400 is suitable for fields at the highest level. As part of a turf system with FIFA preferred providers, the infill meets FIFA's requirements for playing characteristics according to FIFA Quality Pro. This ensures sustainability, safety, and optimal 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.

BIQ400 has, as part of a turf system provided by leading turf manufacturers, been tested according to FIFA Quality Pro and has met the requirements. This means that safety, sustainability, and playing characteristics are verified. It is suitable for high-level fields that require optimal playing characteristics. 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.

BIQ400

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

Environmental properties

BIQ Materials products are based on a completely new infill solution developed to be an environmentally friendly alternative to traditional infill materials. BIQ400 is based on certified compostable ingredients that can be biologically broken down by microorganisms. It has passed biodegradation tests in marine water which shows that it is biodegradable if it ends up in nature. The end products after biodegradation are water, carbon dioxide and biomass. On the field, it does not break down since it isn't the right conditions. The infill is also free from environmentally hazardous and health-hazardous substances. The product has been reviewed by Byggarubedömningen and received the assessment "recommended".



A circular and sustainable choice

BIQ Materials infill product BIQ400 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

Parameter	Value	Unit	Method
Color	Available in different colors	-	-
Density	1,3	g/cm ³	ISO 1183
Bulk Density	820	kg/m ³	EN 14955: 2005
Hardness	13	Shore D	ISO 48-4
Water Absorption	0,79	%	ISO 62

A cost-effective alternative

Thanks to its material properties, high density, and long durability, BIQ400 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 BIQ400 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 OD400 a future-proof choice, both for the economy and for our planet.