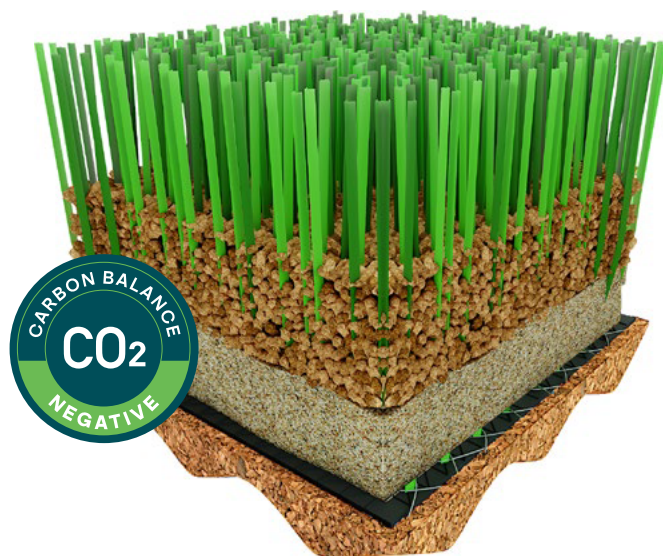


Nature 190

Product Data Sheet

Material Description & Properties



Amorim Nature 190 is a natural artificial turf infill based on cork granules with size between 1 and 2 mm (less than 6% below 0.60 mm).

Benefits

Sports function

- Great energy absorption, avoiding player injury under fall
- Improved rotational friction, avoiding player injury
- Low energy restitution, aiming players comfort
- High elasticity and compression resistance

Construction

- Provides the support required by the pile
- Decay resistant
- Flame retardancy properties
- Key component in safety and performance characteristics of the pitch
- Decreased surface temperature

Sustainability

- 100% natural, renewable and recyclable
- With a negative carbon balance of $-72,5\text{kg CO}_2\text{e/kg}^*$, contributes to a lower carbon footprint of sports surfaces
- No chemical contamination, 100% free according to REACH
- Odourless

Physical and mechanical properties

Cork Granule Size (mm)	1–2
Bulk Density (kg/m^3) ¹	170–210
Moisture Content (%) ²	<14

(1) ISO 2031

(2) ISO 2190



*This result was based on a tool specifically developed by PwC – PricewaterhouseCoopers, which makes it possible to estimate the Carbon Footprint associated to granules produced from cork and cork waste, from the management phase of the cork oak forest, transport of these raw materials, processing and packaging, to the factory gate, using the Cradle-to-Gate approach (which does not include transport, application or end-of-life destination).

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