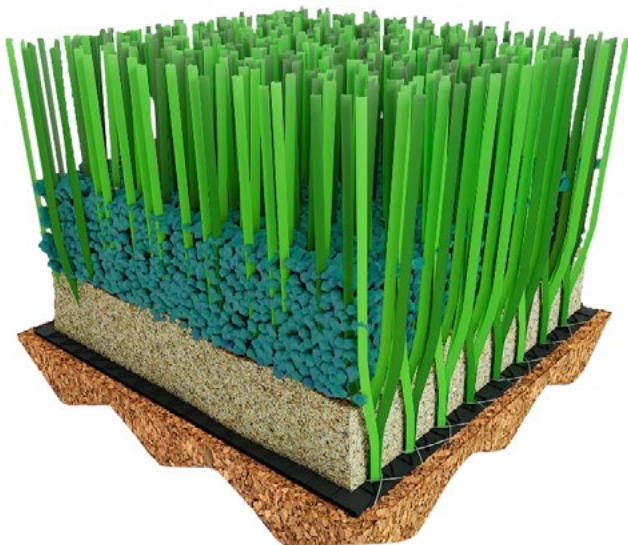


## Ice 501

Material Data Sheet



### Product Description & Properties



**Amorim Ice 501** is a circular economy born infill, with recycled paper fibres and cork inside. It incorporates cork and paper fibers around up to 30% and also recycled polymers. **Amorim Ice 501** delivers excellent thermal performance and softness, offering players and coaches all the guarantees from their artificial turf system.

#### Benefits

##### Sports function

- Energy absorbent, avoiding player injury
- Optimized rotational friction avoiding player injury
- Lower energy restitution, aiming players comfort
- Cooling effect by water absorption

##### Construction

- Provide pile support
- Custom colours
- Adjustable granulometry

##### Sustainability

- 100% recyclable

## Physical and mechanical properties

Cork Granule Size	1-2 mm
Appearance	Irregular green granules
Odor	Slight odor to PVC and Cork
PH Value	7 +/-1
Melting/freezing point	130 to 180°C
Water absorption*	25% with water immersion and 5% indirect moisture absorption
Elasticity*	1,6J return energy
Hardness, Shore A	70-80
Bulk density <sup>1</sup>	> 300Kg/m <sup>3</sup>
Moisture Content (%) <sup>2</sup>	< 2
Specific density	>1g/cm <sup>3</sup>

\* Internal method

(<sup>1</sup>) ISO 2031

(<sup>2</sup>) ISO 2190

## Composition/information on ingredients

Chemical Composition	PVC, process additives, minerals and Cork
Original Material	PVC materials from household products
Dangerous Substances	Not included
UV Degradation	Grey scale >= 3

## Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	Store in-house at room temperature protected from sunlight
Packaging materials	Standard Big Bag or similar

The data provided in this Material Data Sheet represents typical values. This information is not intended to be used as a purchasing specification and does not imply suitability for use in a specific application. Failure to select the proper product may result in either product damage or personal injury. Please contact Amorim Sports regarding recommendations for specific applications. Amorim Sports expressly disclaims all warranties, including any implied warranties or merchantability or of fitness for a particular purpose. Amorim Sports is not liable for any indirect, special, incidental, consequential, or punitive damages as a result of using the information listed in this material data sheet, any of its brochures, its products or any future use or re-use of them by any person or entity. For contractual purposes, please request our Product Specifications Sheet (PDA).

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