

IGLOO

Price 20 € / CORC



ITEM

Item URL: <https://puro.earth/100160>

Item reference number #100160

DEALER

Carbonapp

Homepage address:

<https://www.carbonapp.fr/>

Phone: <https://www.carbonapp.fr/>

Email address: g.bernard@carbonapp.fr

Contact person: Gaultier BERNARD

Location: Rue du Docteur Regnault 8, 35000 Rennes, France

DESCRIPTION

Born and developed in Canada over 40 years ago, Igloo's Cellulose Fibre insulation is manufactured in France, in the heart of the Vendée region, from paper collected from local recycling channels and from community collections (schools, associations, etc.). Not only does it diminish the global waste volume, but it also allows to raise public awareness on the importance and interest of the circular economy.

Igloo France Cellulose implements all available means towards a sustainable development and energy transition. One ton of its bio-based carbon net-negative cellulose fiber insulation (CFI) removes 1,04 tons of CO₂eq from the atmosphere into long-term storage. This insulation is suitable for both new and refurbished buildings. Over 18 months, up to 31400 tons of CFI have been fitted and insures the proper insulation of 39 000 housings. This product offers CO₂ storage within a durable building for at least 50 years. No heat is necessary to manufacture cellulose insulation, through its nearly zero waste production process. Finally, due to its excellent thermal performance, cellulose fibre insulation allows for significant energy savings throughout the year, an undeniable advantage for individuals and the environment.

The principle:

In durable managed forests, growing trees are capturing huge amounts of CO₂ by absorbing it in its fibers. When harvest happen, the left-over wood material (other than building material), is mainly used for paper manufacturing. Once the paper cycle is finished, new paper can be made, with the help of added fresh fibers. The Igloo concept uses 100% recycled paper as its main ingredient. This means that the harvested CO₂ is not released back into the atmosphere but stored in buildings.

CARBON REMOVAL INFORMATION

Carbon removal method :	Bio-based construction materials
Capture of CO₂:	Photosynthesis
Stabilization of CO₂:	Pre-cut building element
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Permanence:	Over 50 years
Status of production:	Audited
Unit of product volume:	tonne
Embodied carbon in product:	1,04 ton of CO ₂ eq / ton of CFI
Year of first issuance:	2022
Minimum amount to negotiate:	1000
Examples of usage:	Industrial and residential buildings, houses, cabins or even public buildings.

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Co-benefits:

- Igloo loose fill insulation fibers are a very efficient thermal insulation product, which contributes to energy saving in buildings.
- Papers can only be recycled a few times (up to 7 times). Very often, the recycling process must include new fibers. Through the recycling of the papers into Igloo cellulose insulation, the CO2 embodied in the paper is locked-up for the lifetime of the building.
- Using CFI instead of other insulation materials with higher CO2 impact, leads to an even higher CO2 gain.

**Economic acceleration
impact:**

The extra income from Puro will allow the company to develop the network and logistic system to collect the local waste papers. The arrival of cardboard in the paper mix will also require new machinery, new developments as well as new training. Most of this income will be used towards this major change in the production process. Overall, this should lead to an even lower carbon impact in the finished product as it will reduce the impact of transportation of waste papers used as raw material as well as enable the company to offer an even broader recycling possibilities for waste papers to the community.

Posted on :

22/06/2022

AUDIT INFORMATION**Audit statement :**

https://static.puro.earth/live/uploads/tiny/mce/Suppliers/Carbonapp_Igloo/Igloo_2022_PURO_Verification_6

Facility ID:

643002406801000374

Independently verified by:

DNV