

ISOLMANT

A complete wellness company serving good construction.

Isolmant has been operating in the construction market since 1976, offering a range of high-performance solutions for acoustic and thermal insulation. It has a strong and important presence, constantly innovating in building systems and products. It has contributed to introducing and affirming concepts that today are particularly wanted and valued by all building and construction operators.

Silence at Isolmant is not an abstract concept but a concrete project, a daily commitment aimed at ensuring the greatest well-being for people inside their living spaces. Acoustic insulation and protection is our mission.

SUSTAINABLE DEVELOPMENT

A concrete commitment to a better future

Talking about sustainable development with reference to construction means reducing the environmental impact of one of man's main activities as much as possible. Starting with general issues, such as the increasingly worrying phenomenon of land consumption, to more specific concerns, such as ensuring the physiological well-being of inhabitants both at the urban center level and within confined spaces. Urban regeneration projects and the ability to affect the existing building stock to reduce excess energy consumption and improve material knowledge will become increasingly important in the coming years.

Today we are committed to sustainable building on two main fronts:

1. ensure the use of raw materials and manufactured goods that reduce negative impacts on the environment in their production;
2. optimize and improve solutions for upgrading existing building stock to reduce excess energy consumption and improve the usability of spaces through increased insulation.

THE ISOLMANT FOREST

Through its partnership with Treedom, Isolmant has started its own forest, committing to planting 1,000 trees over a five-year time frame within two active agroforestry projects in Kenya and Tanzania, countries neighboring those targeted by COP26 in Glasgow for the "Great Green Wall Initiative".

Sustainable tree planting has local and global environmental benefits because it improves the ecosystem in which the project is developed and at the same time removes CO₂ from the atmosphere. The social and economic benefits that this engagement generates for the local communities that participate in the projects are equally important.

Isolmant and its forest: a small, concrete step toward a greener world.

DISCOVER
The Isolmant Forest



ISOLMANT
A world of acoustic **comfort**

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ISOLMANT GREEN PLANET

ISOLMANT
A world of acoustic **comfort**

A WORLD OF EVERYDAY ACTS

Let's build our Green Planet

For Isolmant, sustainability is an everyday commitment. A vision of the future constructed through our actions in the present. A path that we have undertaken and that we travel day after day with a greater sense of responsibility and an awareness that this journey is just as important as our destination. This path led us to the creation of Green Planet, our sustainable development protocol that encapsulates all the commitments made by Isolmant to increase its process, environmental, social and corporate responsibility.



PRODUCT AND PROCESS SUSTAINABILITY

All Research & Development actions are aimed at improving, updating, certifying, and innovating our products and our offer to the market



CORPORATE RESPONSIBILITY

All business choices comply with the principles of responsibility and transparency in business management, choice of suppliers, and customer relations

ENVIRONMENTAL SUSTAINABILITY

All actions undertaken are aimed at reducing our corporate ecological footprint and decreasing CO₂ emissions



SOCIAL RESPONSIBILITY

All choices support local entities, our approach to corporate welfare, and the dissemination of our know-how on the market

What "Guaranteed Green Planet" means



All Isolmant Research & Development activities are aimed at improving, updating, certifying, and innovating the range of products and solutions we bring to the market. The characteristics of our products are periodically tested to ensure high technical and salubrity characteristics, as well as the highest levels of performance. This is why all our products bearing the "Guaranteed Green Planet" label are certified and comply with the sustainability criteria of the major environmental protocols. They are also certified according to the highest Italian and international standards.

THE ISOLMANT GREEN GENERATION PROJECT

Not only to meet the needs of the market but to be ahead of the times, Isolmant initiated the Green Generation project, which is based on a concrete commitment to environmental responsibility and sustainable sourcing of materials.

Isolmant's R&D team has carried out extensive studies in recent years regarding the possibility of producing a bio-based cross-linked polyethylene foam derived from non-fossil sources. As a result of the results achieved through research, today Isolmant is committed, in accordance with the provisions and requirements of Agenda 2030, to include in its production sound insulation materials made from a raw material of non-fossil origin.

Responsible sourcing of sustainable materials supports the contribution to the bioeconomy without changing the production process or the technical characteristics and on-site performance. Research and numerous laboratory and on-site tests have confirmed that the products in the Fossil Free line have achieved the same technical and performance standards as Isolmant's fossil-based products, making it possible to create a range of non-fossil polyethylene products that maintain the same promise of comfort and quality that has always been a hallmark of Isolmant products.

Certified sustainable production

ISCC is a leading global certification system that seeks to contribute to the implementation of environmentally, socially, and economically sustainable production and use of all types of biomass in global supply chains.



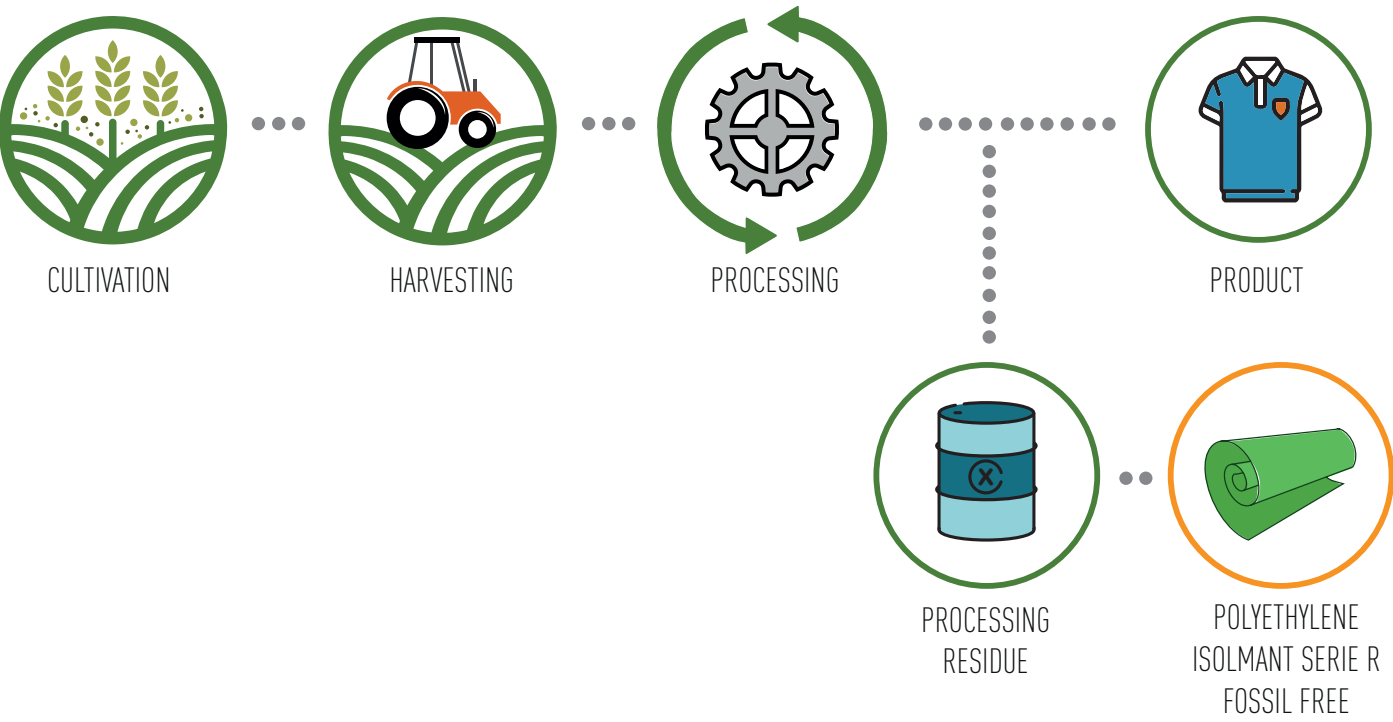
ISCC certification confirms the highest sustainability requirements for Isolmant's production, logistics and distribution chain. It also certifies the entire supply chain to ensure the sustainable sourcing of raw materials made from non-fossil sources, i.e., bio-circular renewable material derived from forestry waste (without deforestation) and not competing with the food chain.

The origin of raw materials

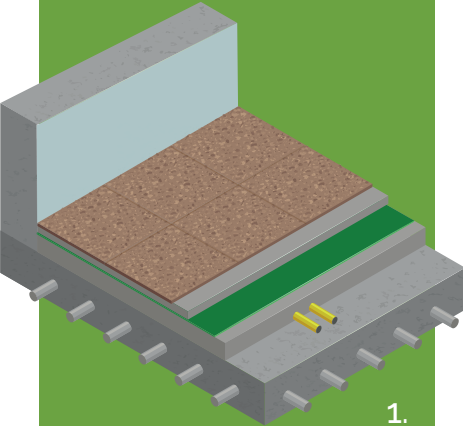
Our Isolmant Serie R Fossil Free polyethylene is made by using processing residues from other production chains that would otherwise have to be disposed of without recreating value.

Through the optimization of other production processes, it is therefore possible to recover otherwise useless waste that is transformed into valuable materials without the need to make use of deforestation work and without using products destined for the food industry.

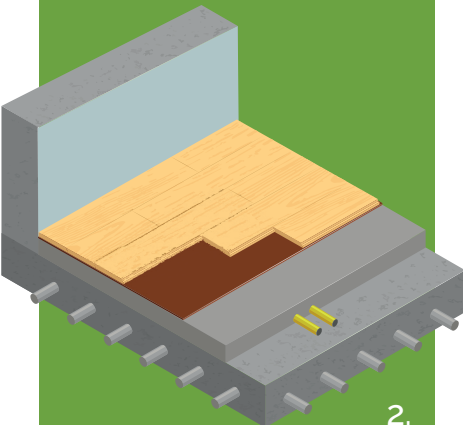
These processing residues are subjected to a normal polymerization process for the production of a "natural" plastic material, meaning that it is derived from renewable raw materials of non-fossil origin.



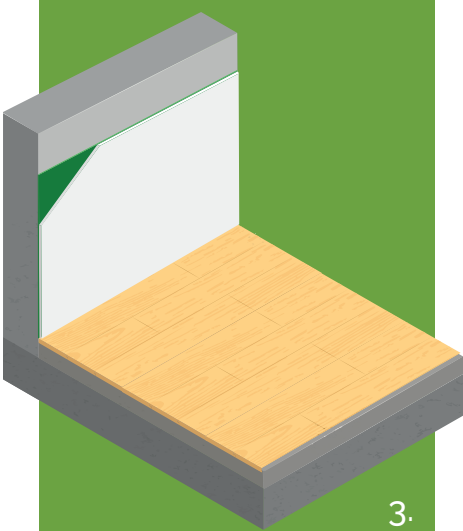
Isolmant FOSSIL FREE LINE



1.



2.

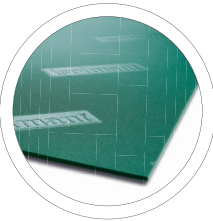


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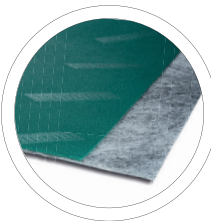
A COMPLETE LINE FOR 100% GREEN INSULATION

Based on an awareness that comfort is only made possible through the application of a complete acoustic system, Isolmant has created a range of Fossil Free products that meet the needs of different types of applications within the building system: underscreed, underfloor, and vertical partition insulation to offer industry professionals the right solution for every need.

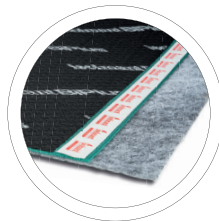
1. Underscreed application



Isolmant **Special Fossil Free**



Isolmant **UnderSpecial Fossil Free**



Isolmant **UnderSpecial BiPlus Fossil Free**

Isolmant's three iconic products for underscreed insulation in their Fossil Free variant: the same performance but with the added value of being derived from renewable sources.

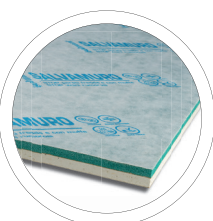
2. Underfloor application



Isolmant **Special 2 mm Fossil Free**

From wood for wood: the plant-derived mat specifically for floating installation of parquet and laminate floors with noise reduction greater than 20 dB.

3. Wall application



Isolmant **IsolGypsum Super Green**

The coupled gypsum board with the highest sustainable value for environmental protocols: a specific solution for acoustic and thermal insulation of thin walls.

There is a difference, but it is not noticeable

The main challenge of the Green Generation project concerns the future of the construction world and is more topical than ever: to create product "alternatives" centered around the theme of sustainable development without, however, sacrificing the quality and technical flair that have always characterized our presence in the market.

The Fossil Free range is the result of this challenge: a series of products with the identical technical characteristics of traditional products made from raw materials of non-fossil origin. This was made possible by years of R&D that allowed us to extract the main molecule that makes up the raw material for our products, ethylene, not directly from petroleum but from waste from other supply chains (food and paper production). Once the main "brick" for making our products has been obtained, the subsequent production process remains unchanged in order to preserve Isolmant's signature production quality. This is confirmed by the laboratory: as quality tests show, the performance between the original versions of the products and their Fossil Free version is fully comparable.

Noise reduction comparison [ΔL_w]

	Standard Version	Fossil Free Version
SPECIAL	31^[1]	30^[2]
UNDERSPECIAL CLASSIC*	34^[3]	34^[4]
UNDERSPECIAL BIPLUS	34^[5]	34^[6]

* See frequency table below

- 1. Test report no.1170 with finishing screed m=120 Kg/m²
- 2. Test report no.1171 with finishing screed m=120 Kg/m²
- 3. Test report no.1172 with finishing screed m=90 Kg/m²
- 4. Test report no.1173 with finishing screed m=90 Kg/m²
- 5. Test report no.1174 with finishing screed m=90 Kg/m²
- 6. Test report no.1175 with finishing screed m=90 Kg/m²

Impact insulation frequency comparison

