



ISOLMANT CATALOG

2023

ISOLMANT
A world of acoustic **comfort**



ABOUT US

Isolmant: an acoustic wellness company

Isolmant is a Tecnasfalti brand. The company has been successfully operating in the construction market since 1976, first specifically in the field of acoustic insulation and later also in the field of 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, such as the concept of the "Flooring System".

Constantly engaged in research and development for the products of tomorrow, the company operates in the field of today's products, working alongside designers, contractors, or end customers to help them make the right choice for their needs. A comprehensive company serving good construction with a strong green footprint.

OVER
40

Years in the construction industry

OVER
70

Products in the range

53

Countries served around the world

OVER
10

Product innovations
introduced into the market

150,000,000

m² of mats sold for horizontal partition insulation

OVER
8,000

m² of warehouse



Design



Production
Distribution



Technical Office



Assistance



Communication
Marketing




Isolmant is launching its innovative “interactive” catalog, with the aim of increasingly stimulating access to information through digital tools.

This has a twofold purpose: on the one hand, to minimize the use of paper as much as possible and, on the other hand, to constantly provide its customers with up-to-date and current information.

This catalog contains many QR Codes: point your mobile phone camera at them and you will be immediately directed to product data sheets or detailed pages on Isolmant’s websites.

This is the only place where you will find information that is always up-to-date in real time, with all of Isolmant’s know-how just a click away.

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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.

RESEARCH & DEVELOPMENT

Every day, Isolmant's Research & Development department works with two important priorities: the sustainability of its solutions and the well-being of the people who live in them. From this perspective, new products are designed and existing products in the range are improved. This daily research not only pays attention to new technologies, but actually anticipates them, through constant collaboration with major Italian universities and Italian and European research institutes. Committed to research for the products of tomorrow, Isolmant's technicians are also engaged daily in the field for today's products, working alongside designers, contractors and end customers to help them make the best choice for their needs. A comprehensive service in support of good construction.

Isolmant solutions comply with the Green Planet philosophy with products that respect people and the environment:

- Sustainable
- Green
- Recyclable
- Environmentally-friendly production
- Reduced energy consumption
- Waste reduction

Isolmant and MEC

The aim of the MEC (Minimum Environmental Criteria) is to enhance the national policy on "green" public procurement, by promoting sustainable production and consumption models as well as the circular economy, promoting environmental quality and compliance with social criteria.

Isolmant products are developed in accordance with the Minimum Environmental Criteria requirements for soundproofing and thermal insulation materials in terms of recycled content and the absence of hazardous substances.

They are also VOC A+ certified (certificate attesting to the absence of volatile organic compounds), a characteristic that qualifies the product in terms of obtaining environmental certification for buildings according to the LEED or ITACA protocols.



GREEN



SUSTAINABLE



NON-TOXIC



HEALTHY

A 360° PROTOCOL



PRODUCT AND PROCESS SUSTAINABILITY

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



ENVIRONMENTAL SUSTAINABILITY

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



CORPORATE RESPONSIBILITY

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



SOCIAL RESPONSIBILITY

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



ISOLMANT IS SUSTAINABILITY GUARANTEED

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.



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.

OUR PRODUCT CERTIFICATIONS

QUALITY CERTIFICATIONS

- Acoustic certification
- Flame retardant certification
- Reflected walking sound (RWS)
- Thermal resistance

HEALTH CERTIFICATIONS

- VOC
- Blue Angel
- Indoor Air Comfort Gold

SUSTAINABILITY CERTIFICATIONS

- Product certificates
- ISSC PLUS

LEARN MORE ABOUT OUR CERTIFICATIONS



Indoor Air Comfort Gold certifies the lowest VOC emissions in the category to guarantee best indoor air quality, ensuring product compliance with EU specifications, criteria established by the key ecolabels and international sustainable building certifications such as LEED, BREEAM, etc.



www.blauer-engel.de/uz156

The German Blue Angel ecolabel has stood among the most recognized product certifications at European level since 1978. It sets strict standards for selecting products with high requirements in terms of sustainability and performance.



Certificate issued by the ICMQ certification body certifying the conformity of Isolmant products with the stated values regarding the content of recycled and/or recovered material and/or by-products through mass balance and in compliance with ISO 14021.



THE GREEN GENERATION PROJECT

With the Green Generation project, Isolmant R&D department has researched and developed a unique bio-based reticulated polyurethane foam specifically for soundproofing and thermal insulation. **Isolmant Serie R Fossil Free** is the first polymer-based product made without fossil resources that simultaneously maintains the high technical and performance characteristics of all Isolmant products. If the entire Isolmant range has the sustainability characteristics demanded by the current market, **Isolmant Serie R Fossil Free** goes further by anticipating the needs of the future.



THE PROJECT PRINCIPLES

- **Continuous research on raw materials:**
Use of cutting-edge raw materials and alternatives to fossil fuels as envisaged by the 2030 Agenda for Sustainable Development
- **Optimization of the raw material supply chain:**
Soil protection, use of renewable sources, recovery of raw material without deforestation and not in competition with food crops
- **Sustainable supply chain:**
Local sourcing, certification of raw materials, processes and products
- **Reduced harmful emissions:**
Reduction of CO₂ and non-renewable energy consumption

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 processes by certifying the entire supply chain to guarantee the sustainable sourcing of raw materials from non-fossil sources.



FIND OUT MORE
about the Green
Generation project
by visiting our website



IMPACT NOISE



IMPACT NOISE AND THE FLOORING SYSTEM

Impact noise: what it is and how to resolve it

Impact noise or footfall stamping is defined as all noises caused by shocks, impacts, and mechanical stresses within a building. The majority of impact noise affects horizontal partitions. They are transmitted structurally and are caused by footsteps and falling and dragging objects.

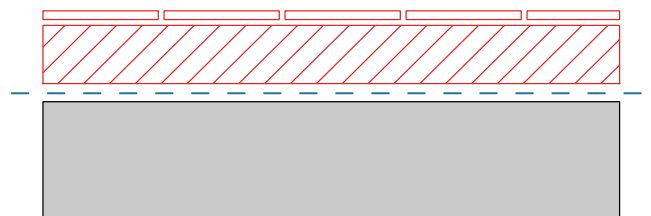
The solution for reducing stamping noise transmission is the construction of a technological package consisting of layers of materials with different physical and mechanical characteristics capable of dissipating the energy caused by impacts. The construction method of the floating screed system consists of decoupling the finishing screed and flooring from the adjoining structures by means of a layer of elastic material placed below the screed supporting the flooring, and along the perimeter of the room. By interposing the resilient layer, a "basin" containing the supporting screed is created, in which it is free to float, not being rigidly constrained to the lateral structures. This creates an oscillating system that absorbs and dissipates the sound energy caused by the impact.

The flooring system logic

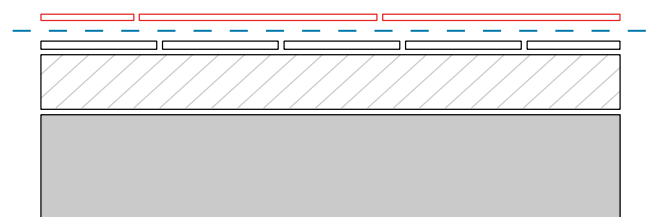
For years now, Isolmant has been pursuing the "Flooring System" concept, based on the assumption that the system should be the foundation for any new construction activity or renovation.

In the case of acoustic insulation, underscreed insulation is not enough. A "Flooring System" is required, within which every element of the structure must be aware of the other elements present and all must work in unison to achieve the desired result. Within the "Flooring System", the horizontal structures fall into two categories: STRUCTURES FOR UNDERSCREED ACOUSTIC INSULATION and STRUCTURES FOR UNDERFLOOR ACOUSTIC INSULATION.

UNDERSCREED INSULATION



UNDERFLOOR INSULATION



UNDERSCREED INSULATION

Methods and solutions

When insulation is positioned under the screed, we are typically operating within the framework of a “designed” solution, whether referring to new construction or renovation.

Underscreed insulation is still the most frequently used method of insulating horizontal partitions from impact noise and ensuring that the passive acoustic requirements of the Implementing Decree on acoustic insulation (DPCM 5/12/97) are achieved in the field of construction.

Underscreed structures are characterized by the thickness of the screed itself. The concept at the basis of this subdivision arises from the idea of the system itself, which in turn is based on the operating method of an acoustically performing structure. The elastic material, in order to ensure the expected performance, must be chosen according to the loads to which the system is subjected. Consequently, a key discriminating factor will be the type, weight, and thickness of the screed in the structure.

THREE MAJOR CATEGORIES

TRADITIONAL underscreed: classic structures with screed thickness of 5 cm or more

INNOVATIVE underscreed: modern structures with screed thickness between 3 and 5 cm

NEW FRONTIER innovative structures with screed thickness of less than 3 cm



STAY UPDATED

Discover the most popular underscreed solutions and applications on the construction site

DISCOVER all available solutions, view product features, and download all updated documentation

TRADITIONAL SYSTEM

Solutions for structures with screed ≥ 5 cm (with or without underfloor heating)

The solutions available for traditional structures, whether two-layer or single-layer, meet the different needs of the construction site and of the customer. According to the construction requirements, it is possible to choose the most suitable product. In order to make it easier for the industry operator to choose the most suitable product for their structure, we have divided our solutions into three lines:

SPECIAL LINE

- **Isolmant Special:** The basic product, the unique and inimitable one, from which all underscreed acoustic insulation products originated.
- **Isolmant Special Plus:** The fiber-reinforced version of Isolmant Special, for added strength on the construction site.

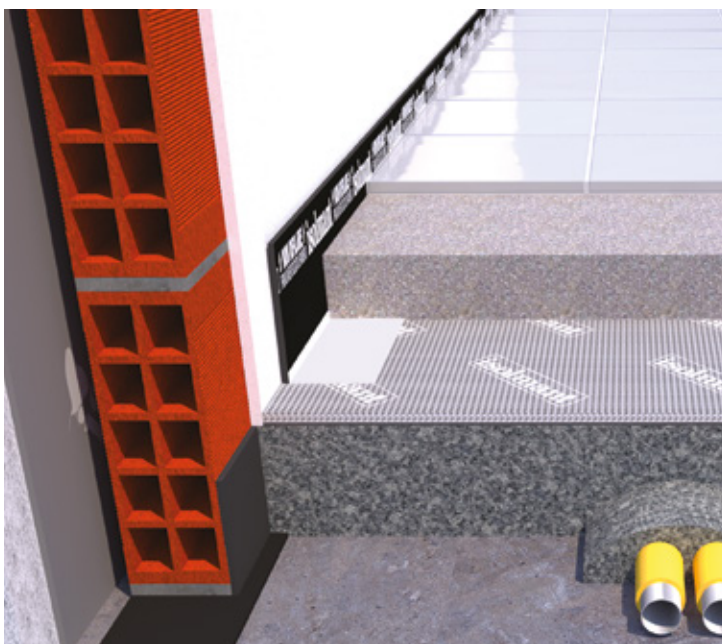
UNDERSPECIAL LINE

- **Isolmant UnderSpecial Classic:** The high-end coupled underscreed most loved by Italians.
- **Isolmant UnderSpecial BiPlus:** The high-end coupled product for high acoustic performance. Coated with fiber-reinforced honeycomb fabric.

- **Isolmant UnderSpecial Radiante BV:** Specifically for structures with underfloor heating, coated with aluminized and embossed fabric with vapor barrier function.

SPECIAL PRODUCTS

- **Isolmant D311:** Ideal where there are pilotis floors; a single product that combines acoustic and thermal insulation.
- **Isolmant Fibra HD:** For soundproofing dry structures and/or where there are light slabs, including cast underscreeds.
- **Isolmant Super BiPlus:** For soundproofing light structures that require greater mass.



↑ Traditional two-layer structure: The construction technique of the floating screed system is to decouple the finishing screed and flooring from the adjoining structures by means of a layer of elastic material placed below the screed supporting the flooring, and around the perimeter of the room.



↑ Floating screed can also be created in single-layer solution. Isolmant UnderSpecial BiPlus is the ideal solution due to the presence of the fiber-reinforced anti-tear fabric.

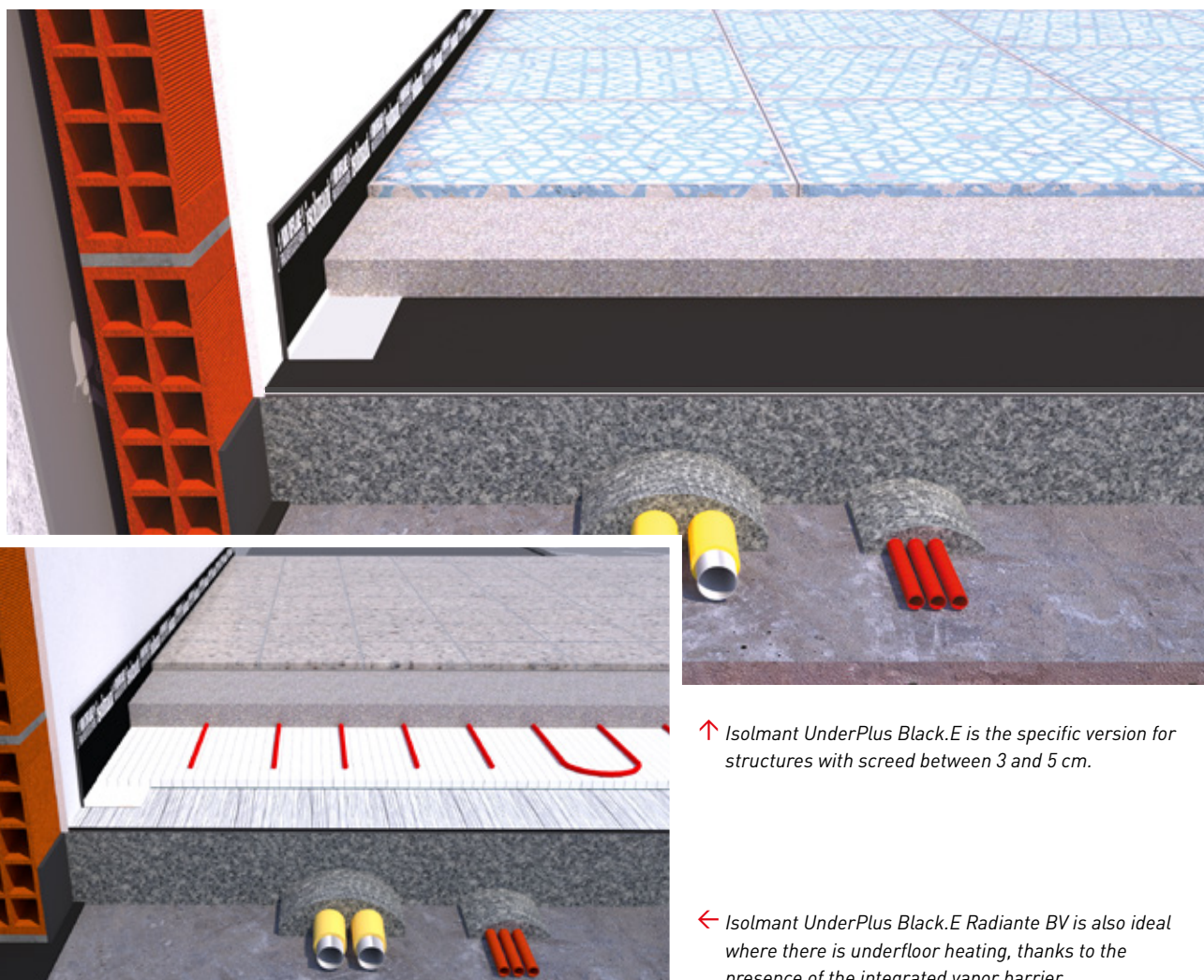
INNOVATIVE SYSTEM

Solutions for innovative structures with screed between 3 and 5 cm (with or without underfloor heating)

One of the most frequent problems that designers and installers face today is the lack of thickness. The expanding renovation market has brought industry professionals to face two needs that are difficult to reconcile: on the one hand, the customer's requirements for technologically advanced, complete, and highly performing structures, and, on the other hand, the need to work in very few centimeters.

This "thin design" requirement has subsequently shifted from renovation to new construction, becoming

an increasingly common and frequent request. Construction technologies have made considerable progress, but innovation requires technical expertise to integrate the various elements of the system while optimizing their performance. A good acoustic insulation product has one fundamental task: To integrate within the structure by optimizing the efficiency of the elements and ensuring acoustic insulation levels in accordance with the law.



↑ *Isolmant UnderPlus Black.E is the specific version for structures with screed between 3 and 5 cm.*

← *Isolmant UnderPlus Black.E Radiante BV is also ideal where there is underfloor heating, thanks to the presence of the integrated vapor barrier.*

NEW FRONTIER SYSTEM

Solutions for structures with very thin screed < 3 cm (with or without underfloor heating)

The greatest challenge that has been set for acoustic insulation is that of the new self-leveling screeds, for which it is no longer just a matter of centimeters, but sometimes even millimeters. Technological product development plays a crucial role at this level, because what needs to be guaranteed is not a laboratory-tested number, but the total efficiency of a system in operation; efficiency that means not only acoustic performance, but also system stability and durability.

Very thin structures are very delicate compared to traditional structures. It is clear that the lack of centimeters negatively impacts the acoustic performance of the whole system. Isolmant has designed and developed an *ad hoc* solution for this type of structure, which allows for the highest possible acoustic reduction, while ensuring the stability and durability of the structure itself.



↑ Isolmant IsolTile in underscreed application with thickness less than 3 cm.



↑ Isolmant IsolTile in underscreed application with thickness less than 3 cm where there is underfloor heating.

THE ISOLMANT ISOLTILE LINE

Isolmant IsolTile is an elastodynamic, disconnecting, and reinforcing resilient acoustic layer designed for underscreed and underfloor applications. For underscreed application, it is also available in BV version where a vapor barrier is required.



MODERN

- Highly technological
- Versatile
- It can be fitted into very thin underscreed and underfloor systems



COMPLETE

- Full range
- Three versions for different application types to be chosen according to the needs of the construction system



VERSATILE

- Ideal for all environments - residential/commercial/public/etc.
- Supports different installation methods



EASY

- Easy installation
- Supplied with installation kit with useful accessories - tape strip/perimeter strip

FOSSIL FREE ACOUSTIC INSULATION

Raw materials of bio-based origin

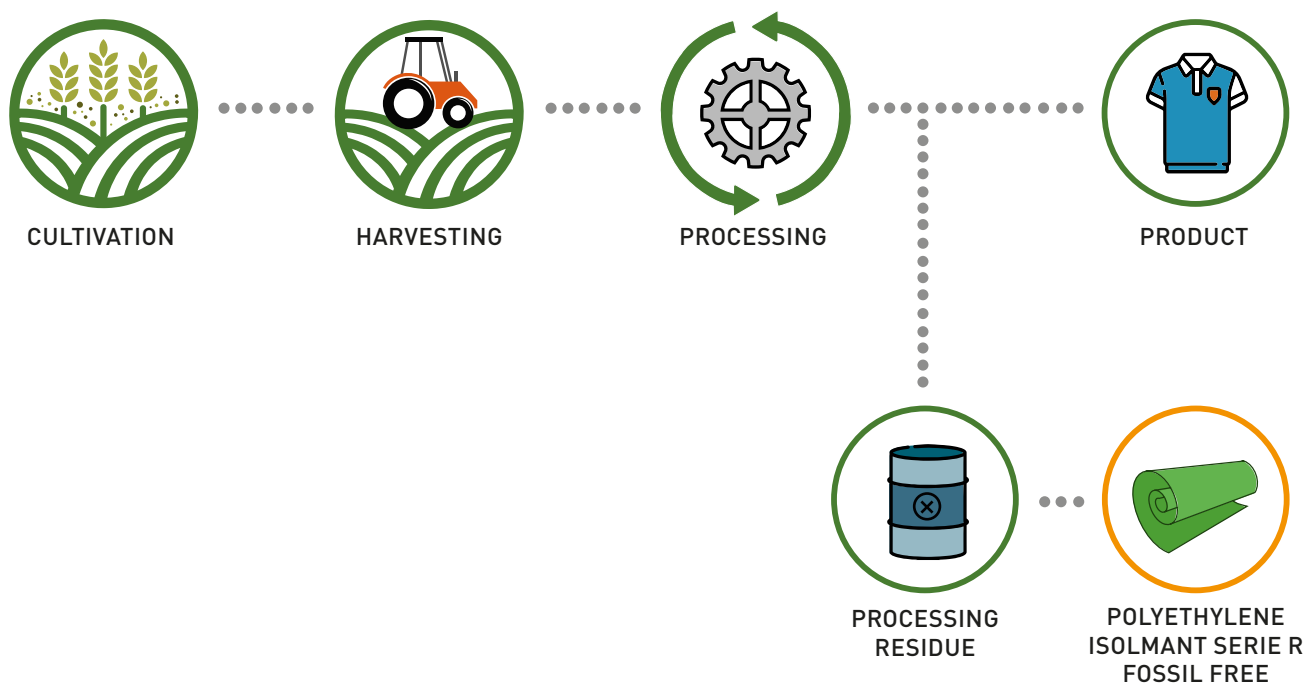
Our unique Isolmant Serie R Fossil Free polyethylene is made using processing residues from other production chains defined as “waste” according to ISCC PLUS standards that should therefore be disposed of without recreating value.

Our R&D department has investigated the possibility of optimizing other production processes, focusing particularly on forestry processes, to recover useful waste that can be transformed into valuable reusable materials. This is done without the need for any deforestation work and without using products intended for the food industry, thus fully complying with the 2030 Agenda.

Ethylene, the molecule fundamental to our products, is extracted from these processing residues. As a result of a normal polymerization process, a “natural” plastic material is produced, meaning that it is derived from renewable raw materials of non-fossil origin.

This is how Isolmant Serie R Fossil Free was produced, a polyethylene of non-fossil origin that successfully maintains all the technical, quality, and performance characteristics of traditional Isolmant Special polyethylene.

The production chain



THE FOSSIL FREE LINE SOLUTIONS FOR UNDERSCREED INSULATION

Isolmant has created a complete line of products for underscreed acoustic insulation made from secondary raw materials. The entire Fossil Free line consists of ISCC PLUS certified polyethylene made from secondary and renewable resources (using the mass balance approach). With excellent acoustic insulation values against impact noise and airborne noise, it can be used in both renovation and new construction.

Isolmant Special Fossil Free

The classic Special 5 mm in the Fossil Free version: made from renewable sources, green in color, embossed, and screen-printed on the top side with the distinctive Isolmant brand. Specifically for the construction of “floating screeds” in accordance with UNI 11516:2013, in the presence of any type of floor, for horizontal structures with screed thickness > 4 cm.

Isolmant UnderSpecial Fossil Free

Made with Isolmant Special Fossil Free sourced from renewable sources, coupled on the underside with the new FIBTEC XF3 (special second-generation needle-punched fiber, manufactured to calibrated specifications for improved noise reduction). Specifically for underscreed acoustic insulation in two-layer structures with finishing screed ≥ 5 cm, for the construction of “floating screeds” in accordance with UNI 11516:2013, in the presence of any type of slab.

Isolmant UnderSpecial BiPlus Fossil Free

Made with Isolmant UnderSpecial Fossil Free which is coupled with a fiber-reinforced top layer with an anti-tear function, making it particularly suitable for application in single-layer screed with the passage of systems over the mat. Specifically for the construction of “floating screeds” in accordance with UNI 11516:2013, in the presence of any type of floor, for horizontal structures with screed thickness > 5 cm.

The Line also includes:

- Isolmant Special 2 mm Fossil Free (for underfloor acoustic insulation, see page 29)
- IsolGypsum Special Super Green (for drywall restoration, see page 54)



↑ Solutions made with Isolmant Serie R Fossil Free polyethylene are used in underscreed structures, both two-layer and single-layer, providing the same performance as other products in the range

UNDERFLOOR INSULATION

Methods and solutions

When the insulation material is placed underneath the flooring, we are moving in a constantly evolving field, where the requirements range widely and where the issue of comfort is a priority, especially for the end customer.

Installation of flooring, whether in new construction or renovation, has undergone the greatest changes in recent years in terms of regulatory references and guidance on good installation practice. An important role has also been played by the technological development of the sector, which has led to innovative drives, not only for the finish itself, but also for the layers immediately below, primarily the acoustic mat and underfloor heating.

In this context, the choice of the insulation material takes on fundamental importance in defining the acoustic and mechanical performance of the floor, and it must be made precisely from the perspective of the "system", evaluating the type of flooring, the installation method deemed most suitable in the specific case, and the layers underneath.

Isolmant underfloor solutions can also be used with underfloor heating, thanks to their low thermal resistance.

THREE MAJOR CATEGORIES

TRADITIONAL underfloor layer: glued installation of ceramic and solid wood parquet flooring, two-layer parquet

INNOVATIVE underfloor layer: floating installation of layered, counterbalanced, tongue-and-groove, laminate, and LVT wood flooring

NEW FRONTIER underfloor layer: hybrid installation for every type of flooring



STAY UPDATED
discover the most popular
underfloor solutions
and applications on the
construction site

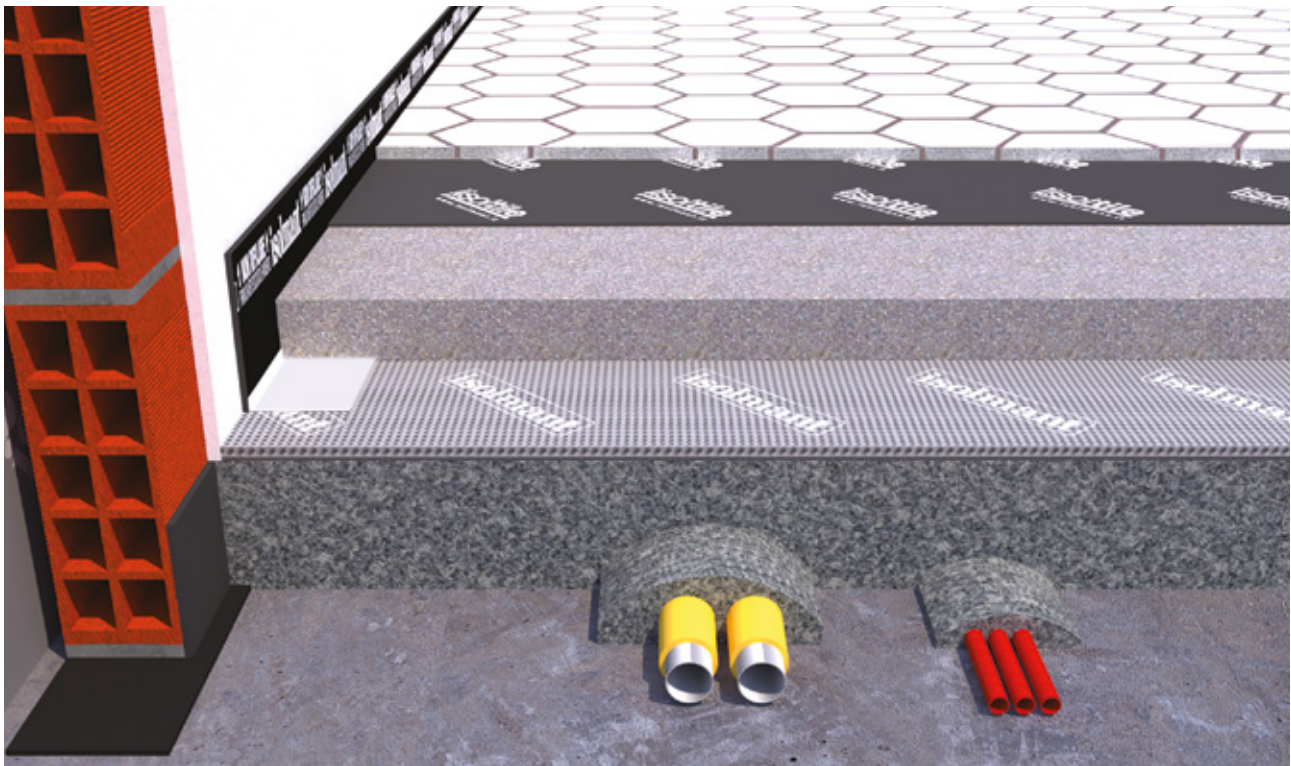
DISCOVER all available
solutions, view
product features, and
download all updated
documentation

TRADITIONAL SYSTEM

Glued installation (of ceramic and solid parquet wood flooring, two-layer parquet)

The traditional installation of Isolmant IsolTile Classic means that the new floor can be installed on a suitable sliding layer, which makes it possible to reduce the risks of cracks in the new ceramic tile caused by shrinkage, deformation and moisture in the substrate (new construction) or by the flatness, surface and consistency of the existing floor (renovation).

The option to select the IsolTile BV version, with integrated vapor barrier, facilitates the work of the installer and generally optimizes the installation cost and time. Ideal where the layers requires a vapor barrier, particularly with wood flooring.



↑ Double-glue installation of ceramic or parquet is the most common installation of finishes. With Isolmant IsolTile, no special adhesives are needed.



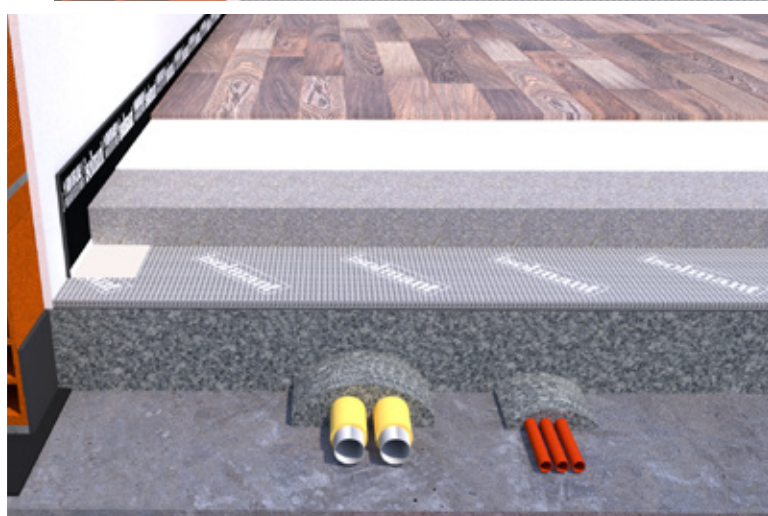
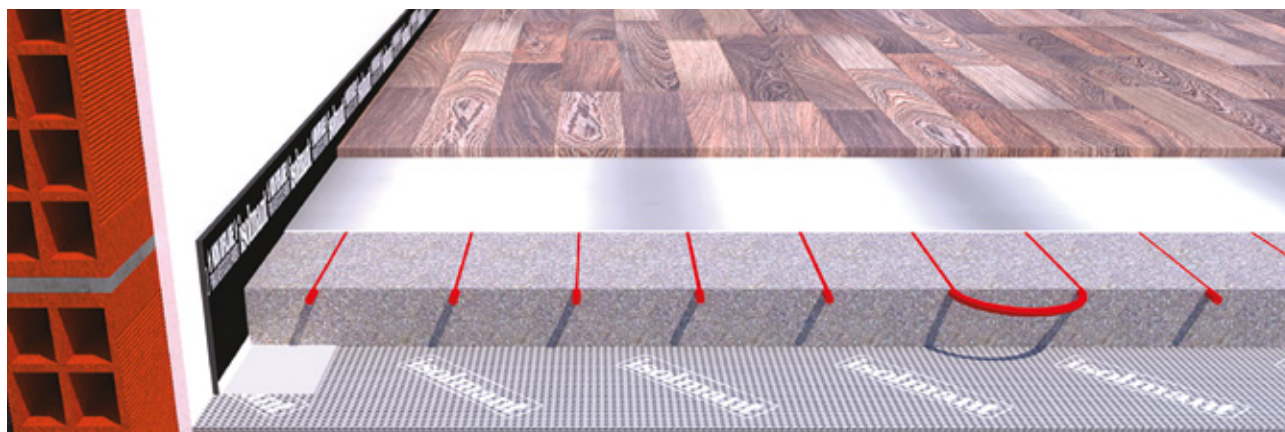
DISCOVER all the features of IsolTile Classic and its many application options in the field

INNOVATIVE SYSTEM

Floating installation (of layered, counterbalanced, dry-laid, coupled, and LVT floors)

When properly installed using mats with strong technical characteristics, floating parquet and laminate flooring are the ideal solution for obtaining floors with high acoustic performance and mechanical stability. In floating installation, the floor is installed without glue directly on a layer of resilient material, making installation easy, fast, and clean. Floating installation for wood floors is highly recommended where there is an underfloor heating or cooling system. When choosing the most suitable

insulation layer, the thermal resistance of the mat must be taken into consideration. Current standards (UNI EN 1264 and UNI EN ISO 11855) stipulate that the thermal resistance of the floor must not exceed $0.15 \text{ m}^2\text{K/W}$. If there is a mat for floating installation, it is sufficient to add the thermal resistance of the mat and that of the floor and check that the result is $< 0.15 \text{ m}^2\text{K/W}$.



↑ *Isolmant Top is a high-performance universal mat coated on the top side with an aluminized film that acts as a vapor barrier. It is Blue Angel certified for the quality of the raw materials it is made of and is ideal where there is underfloor heating.*

↑ *Floating installation is clean (without the use of adhesives), fast (the floor is immediately walkable), and removable (for any work to be done on the underlying layers, e.g. with underfloor heating). Isolmant Parquet Film is the ideal solution with an integrated vapor barrier.*

FROM WOOD FOR WOOD

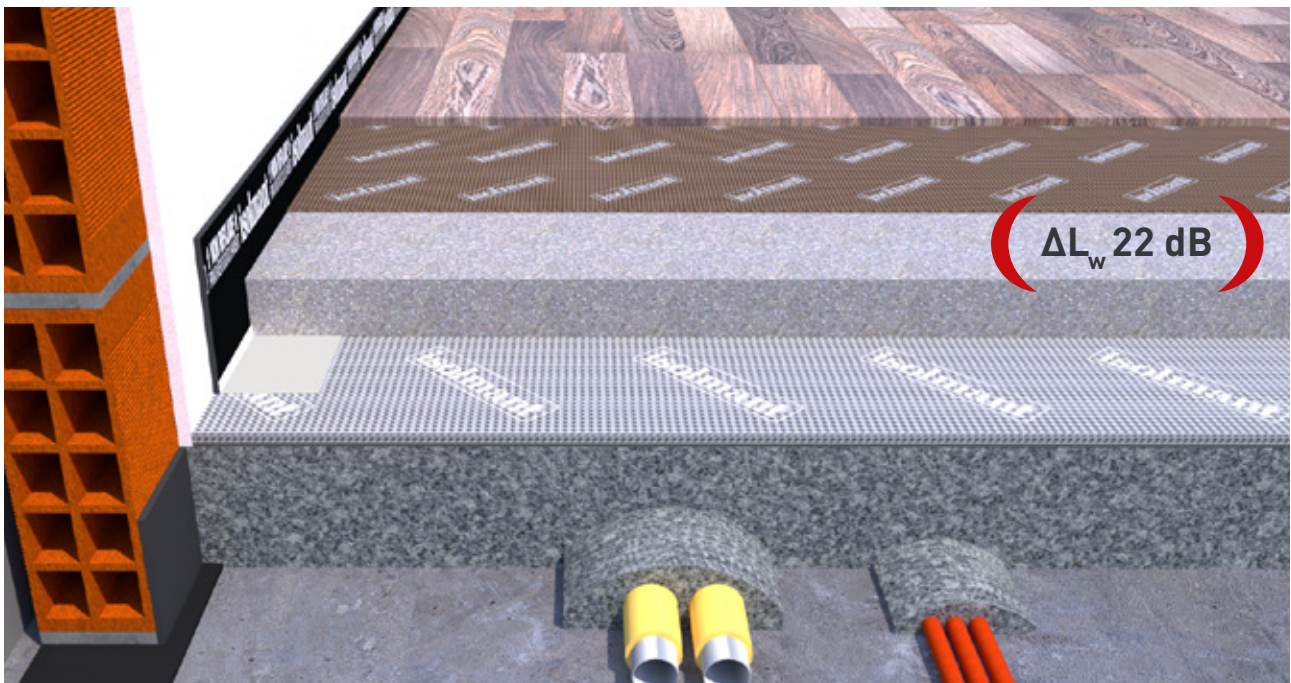
Underfloor sound insulation of plant origin.

Isolmant Special 2 mm Fossil Free is part of the Isolmant Serie R Fossil Free range, made with special ISCC PLUS-certified polyethylene and secondary and renewable resources (using the mass balance approach).

The wood-brown coloring is reminiscent of the type of flooring for which it is designed and the secondary raw materials of which it is made. Isolmant Special 2 mm Fossil Free is made with the use of tall oil, a waste product from wood processing. This processing waste is 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 Special 2 mm Fossil Free guarantees consistent performance over time, thanks to its intrinsic quality and high density, which improves impact sound insulation (ΔL_w 22 dB) and reflected walking noise (RWS, 21 sone) performance when used for floating installations of parquet and laminate flooring. Blue Angel certified, it does not contain volatile organic compounds (VOC A+) and can be disposed of in accordance with EWC No. 170604.



↑ Isolmant Special 2 mm Fossil Free is made from non-fossil derived material. A new solution for the floating installation of parquet.



STAY UPDATED

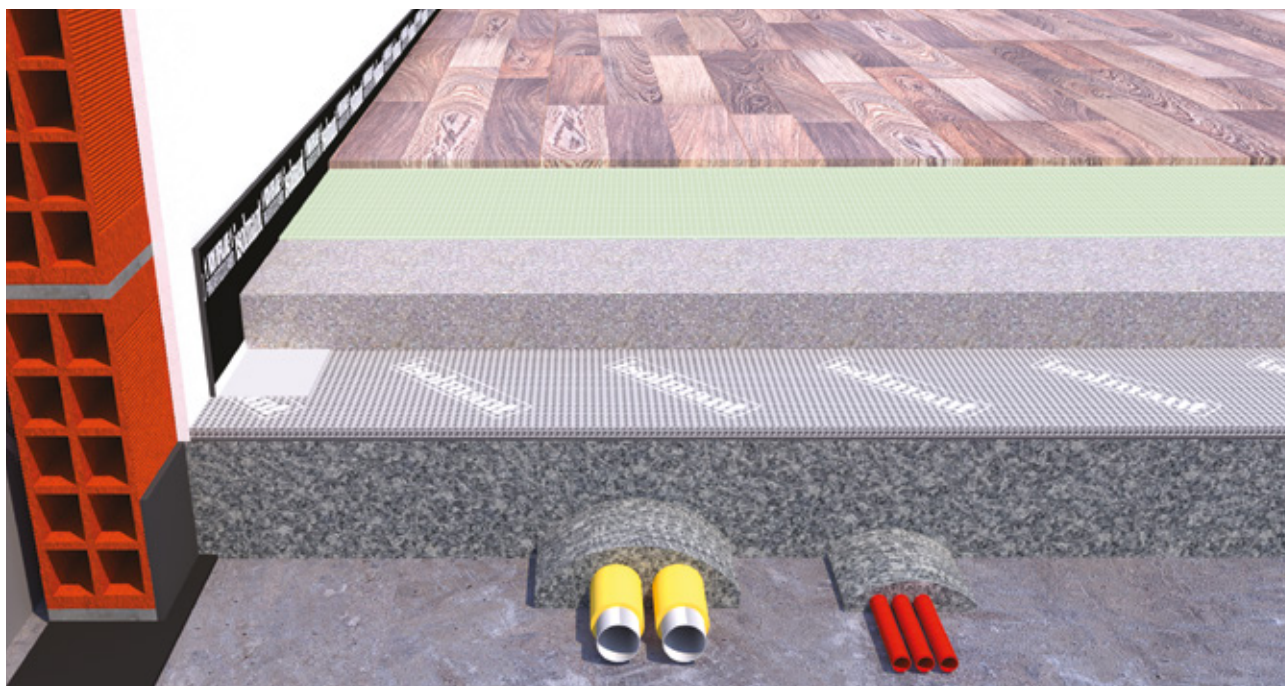
Discover all the features of the innovative Isolmant Special 2 mm Fossil Free, Blue Angel certified

NEW FRONTIER SYSTEM

Hybrid installation (for any type of floor)

Hybrid (or semi-floating) installation fulfills the need for those finishes or situations that require the floor to remain disconnected from the installation surface and to form a single body with the mat (e.g. solid parquet or two-layer parquet). For hybrid installation of parquet, laminate flooring, and LVT, the best performing solution is Isolmant Top Incollapavimento adhesive flooring. More than simply a product, it is an innovative installation system. Just

1.8 mm thick, it is an innovative solution due to the special adhesive layer coating to which the flooring is directly attached, without the need to use glue. Isolmant Top Incollapavimento contains no volatile organic compounds (VOC A+) and has been awarded the Blue Angel ecolabel "The German Ecolabel", guaranteeing compliance with high sustainability and performance requirements.



↑ Hybrid installation with Isolmant Top Incollapavimento adhesive flooring can also be done where there is underfloor heating and in the "installation on installation" method, i.e. installing new finish over the existing one.

ISOLMANT TOP INCOLLAPAVIMENTO ADHESIVE FLOORING IS:


CLEAN:

Does not require the use of glues


FAST:

Does not require drying time


EFFECTIVE:

Excellent insulation to drum sound and impact noise


GREEN:

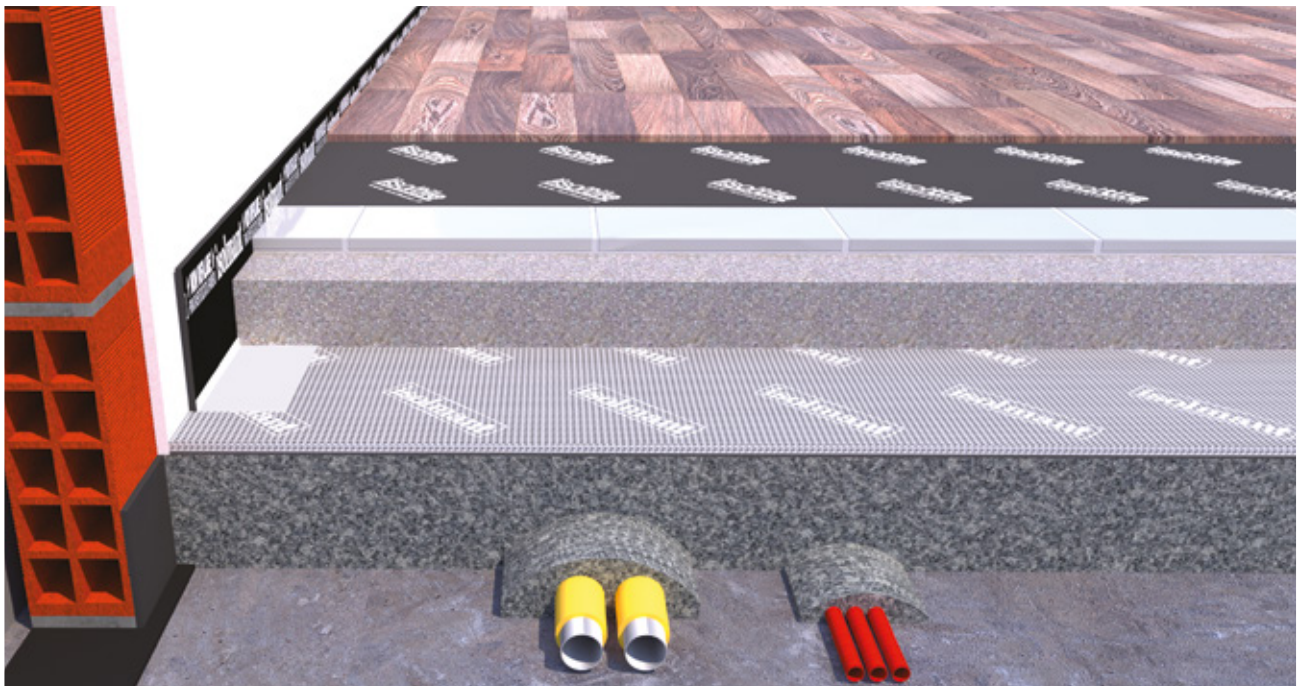
Made from natural materials

Installation on installation: fast and minimally invasive

Hybrid installation is also ideal for what is known as “installation on installation”, or installation of a finish directly on top of the pre-existing finish. This is an increasingly popular system because it reduces installation time and also reduces costs resulting from demolition and rubble disposal. A specific and suitable acoustic mat should be inserted between the two finishes.

The AD version of Isolmant IsolTile is specific for this type of application because, thanks to its adhesive

layer, it can be easily placed over the existing finish without having to use glue, even between the mat and the old finish. Simply remove the silicone-coated film placed on the adhesive layer, making sure to maintain alignment between the sheets and exerting adequate pressure. Once the mat has been installed and the required taping has been performed, it is possible to proceed immediately with the installation of the coating.



↑ With IsolTile AD, equipped with a positioning adhesive layer on the underside, it is possible to install in hybrid (or semi-floating) mode directly on existing flooring.



STAY UPDATED

Discover all the features
of Isolmant IsolTile AD

ACOUSTIC ACCESSORIES

The accessories required for a proper horizontal acoustic system

Accessories for installing resilient material, both in underscreed and underfloor applications, are a key element of Isolmant solutions. Installation is an essential element in the proper implementation of the acoustic system. Improper installation and/or failure to use proper accessories compromises the performance of the acoustic system and can result in the loss of many decibels. This is why Isolmant offers a complete and specific range of accessories, allowing the ideal product to be chosen according to the type of structure and resilient material used.

Specifically, the Isolmant range includes accessories for:

PERIMETER STRIPS

The proper implementation of different types of floating system, according to the needs of the construction site

TAPING STRIPS

Different materials with different thicknesses to suit the specific mat used and the needs of the construction site

PERFORMANCE ACCESSORIES

Sound insulation to be applied at corners and edges and at sub frames



↑ *Acoustic accessories are essential to disconnect the floating screed from the perimeter walls.*



STAY UPDATED

discover all the accessories that complement the installation of impact sound insulation materials

DOWNLOAD data sheets to choose the right product for your needs





PRODUCTS

ISSOLIND

PRODUCTS FOR UNDERSCREED INSULATION

Special Line



ISOLMANT SPECIAL

THE CLASSIC UNDERSCREED SOUNDPROOFING PRODUCT, NOW UPGRADED FOR EVEN BETTER PERFORMANCE.

Second-generation Isolmant resilient layer embossed and screen-printed on the top side, featuring improved and calibrated polyethylene cell quality. It ensures consistency of performance over time due to its inherent quality and physical characteristics.

To be positioned with the embossed and screen-printed side upward.

Nominal thickness: 3 - 5 - 10 - 15 mm

The 10 and 15 mm thicknesses are equipped with overlap.



www.blauer-engel.de/uz156



ISOLMANT SPECIAL PLUS

THE FIBER-REINFORCED VERSION OF ISOLMANT SPECIAL, FOR GREATER ON-SITE RESISTANCE.

Resilient layer composed of second-generation Isolmant Special, coupled on the top to FIBTEC XT1 screen-printed fabric. This fiber-reinforced layer with an anti-tear function makes it particularly suitable for application where systems pass over the mat, or in all cases where greater resistance to walking and tearing is required.

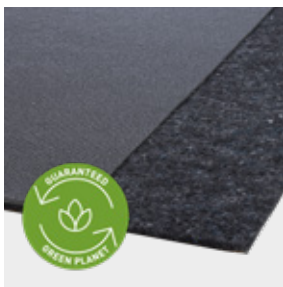
Overlapped product. To be installed with the fiber-reinforced fabric facing upward.

Nominal thickness: 5 mm



PRODUCTS FOR UNDERSCREED INSULATION

UnderPlus Black.E Line



ISOLMANT UNDERPLUS BLACK.E

**THE UNDERSCREED SOLUTION WITH THE BEST VALUE FOR MONEY,
ALSO IDEAL WHERE THERE ARE SLIM SLABS (≥ 3 cm).**

Resilient layer consisting of Isolmant coupled on the underside with FIBTEC XF1 (special needle-punched fiber, manufactured to calibrated specifications for improved noise reduction). It provides proper insulation against impact noise and airborne noise for horizontal partitions.

Overlapped product. To be positioned with the fiber facing downwards.

Nominal thickness: 7 mm



ISOLMANT UNDERPLUS BLACK.E RADIANTE BV (NEW)

**THE VERSION OF UNDERPLUS BLACK.E SPECIFICALLY FOR RADIANT SYSTEMS,
WITH REFLECTIVE ALUMINUM FILM THAT ACTS AS A VAPOR BARRIER.**

Resilient layer consisting of Isolmant polyethylene coupled on the top side with a specific reflective film with vapor barrier function and on the bottom with FIBTEC XF1 (special needle-punched fiber manufactured to calibrated specifications for improved noise reduction). Particularly suitable also for installations with reduced screed thicknesses, where there is an underfloor heating or cooling system, or where a vapor barrier is required ($S_d > 100$ m).

Overlapped product. To be positioned with the fiber facing downwards.

Nominal thickness: 7 mm



PRODUCTS FOR UNDERSCREED INSULATION

UnderSpecial Line



ISOLMANT UNDERSPECIAL CLASSIC (NEW FIBTEC XF3)

THE TOP-OF-THE-RANGE PRODUCT FOR UNDERSCREED SOUNDPROOFING. HIGH PERFORMANCE AND GUARANTEED EFFECTIVENESS. TODAY WITH NEW FIBTEC FIBER XF3 WITH IMPROVED COMPOSITION FOR EVEN BETTER PERFORMANCE.

High-end resilient layer consisting of Isolmant Special coupled on the underside with FIBTEC XF3 (special second-generation needle-punched fiber, manufactured to calibrated specifications for improved noise reduction).

Overlapped product. To be positioned with the fiber facing downwards.

Nominal thickness: 10-15 mm



ISOLMANT UNDERSPECIAL RADIANTE BV (NEW FIBTEC XF3)

THE HIGH-END PRODUCT, SPECIFIC FOR RADIANT SYSTEMS, WITH REFLECTIVE ALUMINUM FILM ACTING AS A VAPOR BARRIER.

High-end resilient layer consisting of Isolmant Special polyethylene coupled on the top side with a specific reflective film with vapor barrier function and on the bottom side with FIBTEC XF3. Particularly suitable for installations where there is an underfloor heating or cooling system, or where a vapor barrier is required ($S_d > 100 \text{ m}$).

Overlapped product. To be positioned with the fiber facing downwards.

Nominal thickness: 10 mm



ISOLMANT UNDERSPECIAL BIPLUS (NEW FIBTEC XF3)

THE FIBER-REINFORCED VERSION OF ISOLMANT UNDERSPECIAL, FOR ADDED STRENGTH ON THE CONSTRUCTION SITE.

High-end resilient layer consisting of Isolmant Special coupled on the top side with FIBTEC XT1 (screen-printed FIBER REINFORCED fabric) and on the bottom side with FIBTEC XF3 (special second-generation needle-punched fiber). The upper fiber-reinforced layer with an anti-tear function makes it particularly suitable for application where systems pass over the mat, or in all cases where greater resistance to walking and tearing is required.

Overlapped product. To be positioned with the fiber facing downwards.

Nominal thickness: 11-16 mm



PRODUCTS FOR UNDERSCREED INSULATION

(NEW)

Isolmant Fossil Free Line



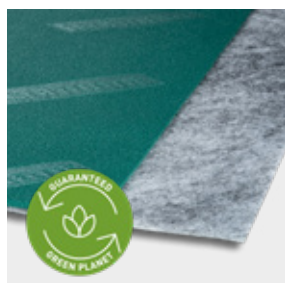
ISOLMANT SPECIAL FOSSIL FREE*

THE ICONIC ISOLMANT SPECIAL MADE WITH MATERIAL FROM RENEWABLE SOURCES, FOR UNDERSCREED ACOUSTIC INSULATION.

Isolmant Special Serie R Fossil Free fully sustainable and polyethylene resilient layer made using renewable resources, which is green in color, embossed and screen-printed on the top side, featuring improved and calibrated polyethylene cell quality.

Its sustainable characteristics are guaranteed by the international ISCC PLUS certification. This ensures very high responsibility and sustainable development standards, not only for the product, but for the entire supply chain. To be positioned with the embossed and screen-printed side upward.

Nominal thickness: 5 - 10 - 15 mm



ISOLMANT UNDERSPECIAL FOSSIL FREE*

THE HIGH-END PRODUCT FOR UNDERSCREED SOUND INSULATION. HIGH PERFORMANCE AND GUARANTEED EFFECTIVENESS. MADE WITH ISOLMANT SPECIAL SERIE R FOSSIL FREE FROM RENEWABLE SOURCES.

High-end resilient layer consisting of ISCC PLUS-certified Isolmant Special Serie R Fossil Free polyethylene, coupled on the underside with FIBTEC XF3 (special second-generation needle-punched fiber, manufactured to calibrated specifications for improved noise reduction). It provides excellent insulation against impact noise and airborne noise for horizontal partitions.

Overlapped product. To be positioned with the fiber facing downwards.

Nominal thickness: 10-15 mm



ISOLMANT UNDERSPECIAL BIPLUS FOSSIL FREE*

THE FIBER-REINFORCED VERSION OF ISOLMANT UNDERSPECIAL BIPLUS SERIE R FOSSIL FREE, FOR ADDED STRENGTH ON THE CONSTRUCTION SITE. MADE WITH ISOLMANT SPECIAL SERIE R FROM RENEWABLE SOURCES.

High-end resilient layer composed of ISCC PLUS-certified Isolmant Special Serie R Fossil Free, coupled on the top side with FIBTEC XT1 (FIBER REINFORCED screen-printed fabric) and on the bottom side with FIBTEC XF3 (special second-generation needle-punched fiber). The upper fiber-reinforced layer with an anti-tear function makes it particularly suitable for application where systems pass over the mat, or in all cases where greater resistance to walking and tearing is required.

Overlapped product. To be placed with the fiber facing downward.

Nominal thickness: 11 - 16 mm



* The entire line contributes to achieving credits for the most stringent environmental certifications (MEC, LEED, ITACA, BREEAM, ETC.).

SPECIAL PRODUCTS



ISOLMANT SUPER BIPLUS

FOR SOUNDPROOFING OF LIGHT STRUCTURES THAT REQUIRE GREATER MASS.

Resilient impact-absorbing layer composed of Isolmant Special sandwiched on the underside with FIBTEC XF1-EL (high-performance elasticized needle-punched fiber) and on the upper side with Isolmant Telogomma (specially calibrated in terms of mass) covered with a layer of TNT. Particularly suitable in lightweight structures, such as wooden slabs, it can be used in both single-layer and two-layer solutions.

To be positioned with the rubber facing upward.

Nominal thickness: 10 mm



ISOLMANT D311

FOR SOUNDPROOFING AND THERMAL INSULATION, PARTICULARLY ON PILOTIS SURFACES.

Product composed of Isolmant coupled on the top side with an extremely resistant aluminum-coated and embossed film with anti-tear function.

To be positioned with the aluminum side facing upward.

Nominal thickness: 22 mm



ISOLMANT FIBRA HD

FOR SOUNDPROOFING OF DRY STRUCTURES AND/OR WHERE THERE ARE LIGHT SLABS, INCLUDING CAST UNDER SCREEDS.

A product composed of a high-characterization polyester fiber panel FIBTEC PHD, (140 kg/m³), specifically for achieving high acoustic insulation against impact noise in the presence of dry finishing screeds or wooden floors/structures.

Unlimited durability, non-toxic, environmentally-friendly.

Nominal thickness: 10 mm



PRODUCTS FOR UNDERSCREED AND UNDERFLOOR ACOUSTIC INSULATION

IsolTileLine

Isolmant IsolTile is an isolating and reinforcing resilient acoustic layer designed for underscreed and underfloor applications (both ceramic and parquet). Available in three versions to meet the needs of specific applications. The versions of IsolTile (Classic, BV, and IsolTile AD) are presented with the side to be installed exposed screen-printed with the recognizable IsolTile brand, while there are three different underside versions: Total black for IsolTile Classic, silver for IsolTile BV with vapor barrier, and adhesive for IsolTile AD.



New total black lower sheet

ISOLMANT ISOLTILE CLASSIC

INNOVATIVE TECHNOLOGY MAT SPECIFICALLY FOR UNDERFLOOR AND UNDERSCREED SOUNDPROOFING WITH A VERY THIN SURFACE LAYER (< 3 cm).

Isolmant IsolTile Classic consists of high-density, physically reticulated Isolmant polypropylene, coated on the upper side with special FIBTEC XP1 (black, screen printed, calendered polypropylene technical geotextile) and on the bottom side with special FIBTEC XP1B (black polypropylene technical geotextile). To be installed with the screen-printed side facing upward.

THE PACKAGE INCLUDES:

- TAPING STRIP (h 7.5 cm x l 20 m) • PERIMETER STRIP (h 3 cm x l 20 m)

Nominal thickness: 2 mm



Adhesive bottom side

ISOLMANT ISOLTILE AD

SPECIFICALLY FOR THE GLUED INSTALLATION OF NEW FINISHES ON EXISTING FLOORS.

Isolmant IsolTile AD consists of physically reticulated, high-density Isolmant polypropylene, coated on the top side with special FIBTEC XP1 (technical polypropylene geotextile, black in color, screen-printed, and calendered) and on the bottom side with an adhesive positioning layer, specifically for installation on existing flooring. To be installed with the screen-printed side facing upward.

THE PACKAGE INCLUDES:

- TAPING STRIP (h 7.5 cm x l 20 m) • PERIMETER STRIP (h 3 cm x l 20 m)

Nominal thickness: 2 mm



New silver lower sheet
(vapor barrier)

ISOLMANT ISOLTILE BV

ALL THE ADVANTAGES OF ISOLTILE WITH THE BENEFITS OF AN INTEGRATED VAPOR BARRIER.

Isolmant IsolTile BV consists of high-density physically reticulated Isolmant polypropylene, coated on the top side with special FIBTEC XP1 (polypropylene technical geotextile, black in color, screen-printed, and calendered) and on the bottom side with FIBTEC XP2 (polypropylene technical geotextile, silver in color, calendered, with vapor barrier $S_d > 40$ m). To be installed with the screen-printed side facing upward.

THE PACKAGE INCLUDES:

- BV TAPING STRIP (h 7.5 cm x l 20 m) • PERIMETER STRIP (h 3 cm x l 20 m)

Nominal thickness: 2 mm



PRODUCTS FOR UNDERFLOOR SOUND INSULATION



ISOLMANT 3 mm PARQUET

THE TECHNOLOGY OF ISOLMANT SPECIAL IN 3 mm THICKNESS: A CLASSIC PRODUCT DESIGNED FOR THE FLOATING INSTALLATION OF PARQUET AND LAMINATE FLOORING.

Insulating mat made of Isolmant Special, embossed and screen-printed on the top side, specifically for floating installation of laminate flooring, parquet, and other rigid floors of suitable thickness.

Nominal thickness: 3 mm



www.blauer-engel.de/uz156



ISOLMANT PARQUET FILM

SPECIFICALLY FOR ACOUSTIC INSULATION UNDER FLOATING FLOORS, WITH INTEGRATED VAPOR BARRIER AND ADHESIVE SELVAGE FOR EASY INSTALLATION.

High-density NPE-type polyethylene insulation mat coated with PE film with vapor barrier function. Product with adhesive selvage for overlapping and sealing the sheets.

Overlapped product. To be installed with the film facing upward.

Nominal thickness: 2 mm



ISOLMANT SPECIAL 2 mm FOSSIL FREE

ISOLMANT SPECIAL SERIE R FOSSIL FREE FROM RENEWABLE SOURCES. THE MOST HIGH-PERFORMANCE SOLUTION FOR SOUNDPROOFING UNDER FLOATING FLOORS.

Isolmant Special Serie R Fossil Free insulation mat, fully sustainable and from renewable sources. Its sustainable characteristics are guaranteed by Blue Angel and ISCC PLUS certification. The latter guarantees very high standards of responsibility and sustainable development, not only for the product, but for the entire supply chain, and helps to achieve credits for the most stringent environmental certifications (MEC, LEED, ITACA, BREEAM, etc.). To be installed with the embossed and screen-printed side upward.

Nominal thickness: 2 mm



www.blauer-engel.de/uz156

PRODUCTS FOR UNDERFLOOR SOUND INSULATION



ISOLMANT TOP

THE MOST COMPREHENSIVE, UNIVERSAL, AND VERSATILE PRODUCT FOR UNDERFLOOR APPLICATIONS. MASS PRODUCT WITH FIRE RATING SPECIFIC FOR RADIANT FLOORS. 100% NATURAL PRODUCT WITH BLUE ANGEL CERTIFICATION.

Insulating mat made of high-density thermally conductive viscoelastic material covered with aluminum foil to prevent moisture from rising. We recommend using the Isolmant Nastro Alluminato to join the sheets of Isolmant Top together. To be installed with the aluminum side facing upward.

Nominal thickness: 1.8 mm



www.blauer-engel.de/uz156



ISOLMANT TOP INCOLLAPAVIMENTO

(INSTALLATION SYSTEM)

THE INSTALLATION SYSTEM FOR GLUE-FREE BONDING, ISOLMANT'S INNOVATION COMBINES STABILITY, SPEED, AND CLEAN INSTALLATION WITH HIGH ACOUSTIC COMFORT.

Insulation mat made of high-density viscoelastic heat-conductive material. The product is coated with an adhesive layer, protected by silicone film, specially designed for gluing parquet, laminate, and LVT flooring. To be installed with the adhesive side facing upward.

Nominal thickness: 1.8 mm



www.blauer-engel.de/uz156



Installation
video



PRODUCTS FOR OTHER APPLICATIONS



ISOLMANT COVER

SUITABLE FOR TEMPORARY FLOOR PROTECTION, WITH WATERPROOF AND BREATHABLE FILM.

Multifunctional non-woven non-slip protective sheet coated with waterproof PE film. To be installed with the non-slip side facing down.

Nominal thickness: 2.5 mm



ISOLMANT COVER PLUS

SUITABLE FOR TEMPORARY FLOOR PROTECTION, WITH WATERPROOF AND BREATHABLE FILM.

Multifunctional non-woven non-slip protective sheet coated with blue waterproof and breathable film (70 g/m²/24h). To be installed with the non-slip side facing down.

Nominal thickness: 2.5 mm



ISOLMANT KIT SCALE

SPECIFICALLY DESIGNED FOR THE SOUNDPROOFING OF STAIRWELLS.

Isolmant Kit Scale consists of standard-size sheets of IsolTile Classic for risers, treads, and middle levels, to be trimmed on site to fit the specific surface. The KIT also contains the sheet joint strip and the side strip for separating the staircase from the stairwell, which is essential for completing the soundproofing. To be installed with the screen-printed side facing upward.

Package includes:

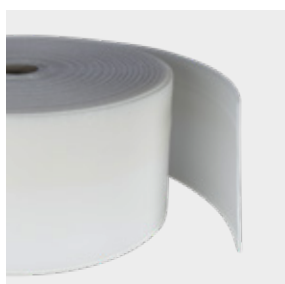
Isolmant IsolTile Telo Pedata ▶ h 33 x 125 cm ▶ 22 pieces
 Isolmant IsolTile Telo Alzata ▶ h 20 x 125 cm ▶ 22 pieces
 Isolmant IsolTile Telo Ripiano ▶ h 50 x 125 cm ▶ 4 pieces
 Isolmant Fascia IsolTile ▶ h 7.5 cm x 20 m ▶ 5 pieces
 Isolmant Fascia Laterale ▶ h 18.5 cm x 25 m ▶ 1 piece
 Isolmant Fascia Tagliabattiscopa ▶ h 3 cm x 15 m ▶ 2 pieces



THE PACKAGE INCLUDES ONE KIT SUFFICIENT FOR SOUND INSULATION OF A STANDARD FLOOR (TWO HALF-FLIGHTS AND ONE INTERMEDIATE LANDING).

Nominal thickness: 2 mm

ACCESSORIES FOR UNDERSCREED AND UNDERFLOOR SOUND INSULATION

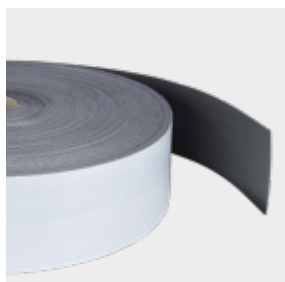


ISOLMANT FASCIA PERIMETRALE PRATICA

BASIC STRIP FOR PROPER INSTALLATION OF THE FLOATING SYSTEM.

Adhesive strip made of non-reticulated polyethylene foam prepared for easy L-shaped installation. Available in h 15 cm and h 25 cm sizes.

Nominal thickness: 5 mm



ISOLMANT FASCIA PERIMETRALE STACCA/ATTACCA

POLYETHYLENE PERIMETER STRIP WITH PEEL-AND-STICK ADHESIVE TO ASSIST IN CORRECT POSITIONING.

15-cm adhesive strips made of closed-cell reticulated polyethylene foam with peel-and-stick adhesive.

Nominal thickness: 3 mm



ISOLMANT FASCIA PERIMETRALE TECNICA RETICOLATA

L-SHAPED PERIMETER STRIP FOR EASY AND SAFE INSTALLATION.

Adhesive strip made of reticulated closed cell polyethylene foam prepared for easy L-shaped installation. Available in sizes h 18.5 cm (11 cm wall and 7.5 cm floor) and h 25 cm (17.5 cm wall and 7.5 cm floor). The strips come with silk-screened film with installation instructions.

Nominal thickness: 5 mm



ISOLMANT FASCIA PERIMETRALE TECNICA DOPPIO SPESSORE

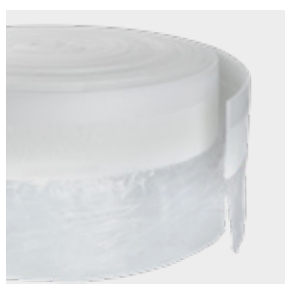
A TECHNOLOGICALLY ADVANCED STRIP WITH DOUBLE THICKNESS THAT MAKES IT IDEAL EVEN IN LOW-THICKNESS SYSTEMS.

Adhesive perimeter strip prepared for easy L-shaped installation, consisting of a vertical part made of partially adhesive 5 mm-thick polyethylene to be applied to the wall and a horizontal part made of reduced 0.1 mm-thick HDPE with adhesive silicone paper on the underside. Available in the h 28 cm size (18 cm wall and 10 cm slab). The strips come with silk-screened film with installation instructions.

Nominal thickness: 5 mm



ACCESSORIES FOR UNDERSCREED AND UNDERFLOOR SOUND INSULATION



ISOLMANT FASCIA PERIMETRALE TECNICA RADIANTE

SPECIFIC STRIPS FOR SYSTEMS WITH UNDERFLOOR HEATING.

Vertical strip made of 8 mm thick cross-linked polyethylene foam, white in color and height 15 cm. Adhesive-bonded for 7.5 cm height, and equipped with transparent film for overlap on the radiant panel.

Specifically for use with Isolmant UnderPlus Black.E Radiante BV and Isolmant UnderSpecial Radiante BV.

Nominal thickness: 8 mm



ISOLMANT FASCIA NASTRO

TO TAPE THE UNDERSCREED SHEETS AND GUARANTEE A PROPER ACOUSTIC SYSTEM.

7.5 cm high Isolmant adhesive strip. Suitable for sealing the various Isolmant sheets together (suitable for the entire underscreed range).

Nominal thickness: 3 mm



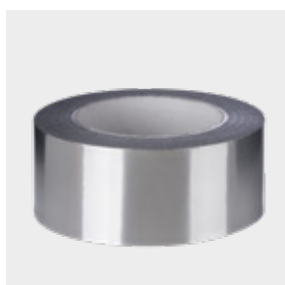
ISOLMANT NASTRO TELATO

IDEAL FOR TAPING THE UNDERSCREED SHEETS WHERE GREATER RESISTANCE AND LOW THICKNESS IS REQUIRED.

High-strength adhesive duct tape, 5 cm thick.

Suitable for sealing the various Isolmant sheets together (suitable for the entire underscreed range).

Nominal thickness: < 1 mm



ISOLMANT NASTRO ALLUMINIO

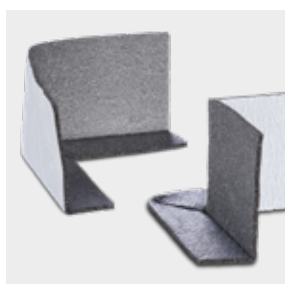
SPECIFICALLY FOR STRUCTURES WHERE THERE IS A UNDERFLOOR HEATING SYSTEM, IT PROVIDES CONTINUITY TO THE VAPOR BARRIER.

High-strength aluminum tape, 5 cm thick. Suitable for sealing all sheets together, particularly Isolmant UnderPlus Black.E Radiante BV, Isolmant UnderSpecial Radiante BV, Isolmant D311 and Isolmant Top.

Nominal thickness: < 1 mm



ACCESSORIES FOR UNDERSCREED AND UNDERFLOOR SOUND INSULATION

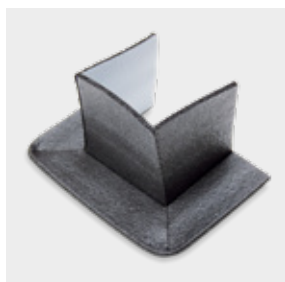


ISOLMANT ANGOLO E SPIGOLO

ENSURES THE CONTINUITY OF THE PERIMETER TAPE AT CORNERS AND EDGES IN MASONRY.

Special accessories made of pre-formed and adhesive-coated polyethylene for forming corners.

Nominal thickness: 5 mm



ISOLMANT TELAIO PORTE

ENSURES THE CONTINUITY OF THE PERIMETER TAPE DOOR FRAMES.

Special preformed and adhesive-coated polyethylene accessories for application at door frames. Inner opening about 11 cm.

Nominal thickness: 5 mm



THE USE OF APPROPRIATE AND SPECIALLY DESIGNED PERIMETER STRIPS AND TAPE STRIPS IS ESSENTIAL FOR A SUCCESSFUL ACOUSTIC SYSTEM. THE USE OF UNSUITABLE ACCESSORIES CAN COMPROMISE THE INSULATION PERFORMANCE OF THE STRUCTURE BY AS MUCH AS SEVERAL DECIBELS.



AIRBORNE **NOISE**



APPLICATIONS FOR WALL INSULATION

Airborne noise and sound insulation

Airborne noise is defined as all noises caused by various sources (such as human voice, music, or noise caused by household appliances) that carry through the air. Most airborne noises affect vertical partitions, meaning they are transmitted from one room to another (within the same apartment or in neighboring apartments) or from outside to inside. Airborne noises also affect the slab, because it can be transmitted from the top to the bottom or vice versa.

When we talk about wall sound insulation, it is essential to point out that there is no absolute insulating material, but there is a soundproofing structure. The most efficient product is one that allows the finished structure to function acoustically. When designing the "Wall System", it is essential to reconcile the presence of the mass with the need to elastically dampen certain annoying frequencies of noise passing through the mass. In order to do this, it is essential to insert an appropriate sound-absorbing material in the cavity.

Installation options

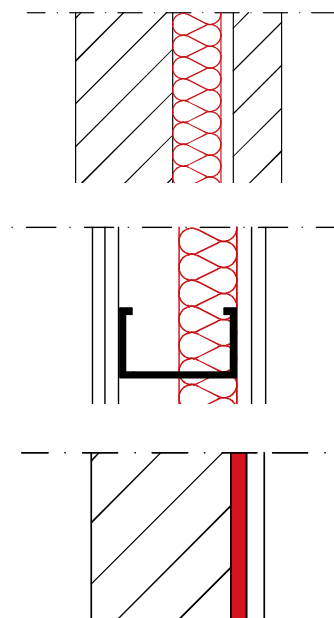
Traditional construction indicated heavy partitions as preferable, attributing most of the structure's soundproofing power to mass. The evolution of building construction, design methods, and solutions available on the market has given large space and value to lightweight walls, which are increasingly used not only in renovations but also in new constructions. In renovations, some acoustic remediation solutions that favor low thickness use coupled plasterboard panels to improve the soundproofing capacity of the walls.

When talking about airborne noise, the slab should also be taken into consideration, which can be an element of transmission of this type of noise. In order to solve the problem of airborne noise transmission through the slab, an acoustic ceiling can be used.

HEAVY WALLS

LIGHTWEIGHT WALLS

MIXED WALLS WITH DRY LINING



CAVITY WALLS

Heavy walls and lightweight walls

Double walls separating different housing units with a cavity provide the best sound insulation to airborne noise, as they take advantage of the effect of mass together with the dissipative effect of the fibrous insulation material inside the cavity.

It is important to use the same "Wall System" even in the presence of a low-thickness cavity, taking advantage of the technology of specially-designed solutions for these structures.

In terms of acoustic and thermal insulation of lightweight plasterboard walls on metal frames, construction technology also involves obtaining acoustically performing systems by inserting suitable fibrous material inside the metal frame.

Isolmant's solutions for cavity applications take advantage of the technology of the special IsolFIBTEC PFT fiber, which is made for about 3/4 of a specially-designed polyester fibers in different lengths and thicknesses, and the remaining 1/4 of low melt material that allows the fibers to be thermo-fixed. The panel structure has a variable density gradient along the thickness, a feature that enhances its acoustic and mechanical performance. From a morphological point of view, the fibers show a high three-dimensional weave, which elevates the panel's flow resistance.

TYPES OF INSTALLATION

HEAVY walls with **TRADITIONAL** cavity

HEAVY walls with **LOW THICKNESS** cavity

LIGHTWEIGHT walls and supporting walls with **METAL FRAME**



DISCOVER the solutions
and site application
methods for sound
insulation of vertical
partitions with cavities

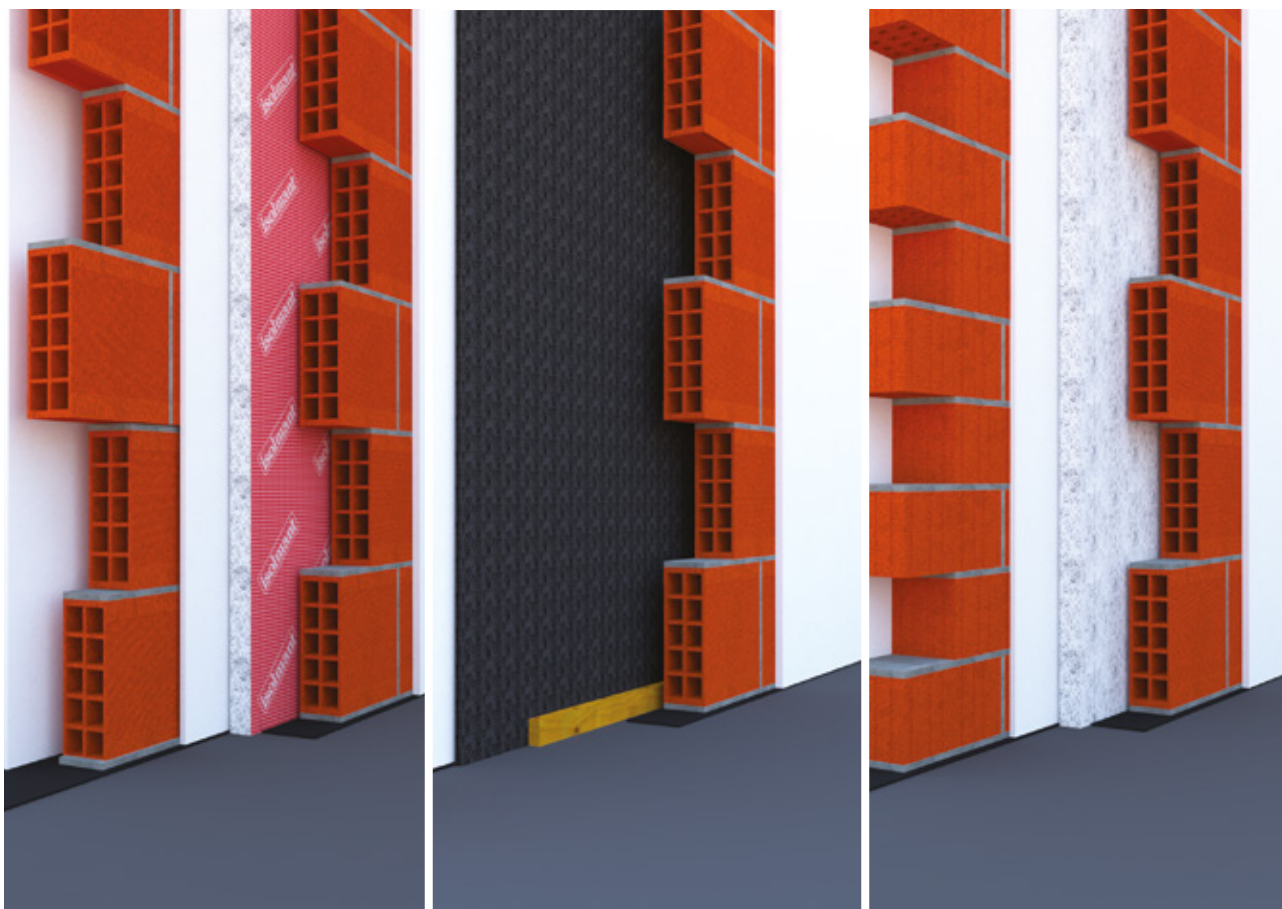
DOWNLOAD data sheets
to choose the right
product for your needs

HEAVY MASONRY WALLS

Specific solutions for sound insulation in the cavity (including reduced thickness)

Double or triple walls separating different housing units with a cavity provide the best sound insulation to airborne noise, as they take advantage of the effect of mass together with the dissipative effect of the fibrous insulation material inside them. Isolmant's top of the line for this type of application is Isolmant Perfetto Special. It is an excellent sound absorber due to its morphological structure with differentiated density

along the thickness, combined with a 5 mm layer of Isolmant Special polyethylene. The Perfetto Special panel is also an excellent thermal insulator. With its adhesive overlap and self-supporting full-height format, Isolmant Perfetto Special is easily installed for a workmanlike job.



↑ In sequence from left to right

- Isolmant Perfetto Special is installed with the logo visible
- Wall with a small cavity: the ideal solution is Isolmant Polimuro; all Special + FIBTEC technology in only 12 mm thickness
- For perimeter walls, the most commonly used solution is Isolmant Perfetto TR

LIGHTWEIGHT WALLS AND SUPPORTING WALLS

Specific solutions for sound insulation in drywall structures

Acoustic and thermal insulation of lightweight plasterboard walls on metal frames is achieved by making acoustically performing systems that involve the installation of suitable fibrous material inside the metal frame.

Isolmant Perfetto CG is the specific product designed to be installed inside the metal frame of lightweight walls. Due to its morphological structure with differentiated density in thickness, it offers high

resistance to air flow.

Lightweight walls also make it possible to improve the performance of an existing vertical partition, allowing the achievement of excellent results in terms of acoustic insulation against airborne noise. In this case, we are talking about the construction of a supporting wall with plasterboard or fiberboard frames and panels and insulating material in the cavity.



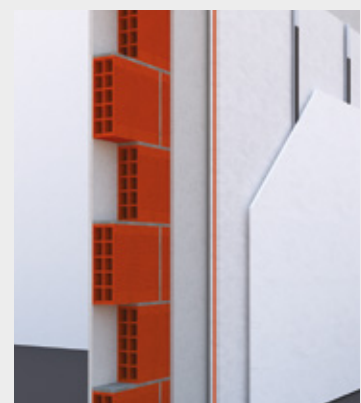
↑ *Modern construction technology uses drywall extensively, increasingly in new construction as well*



↑ *Supporting walls are installed in renovation to increase the soundproofing power of existing walls.*

ISOLMANT POLIFIBRE BLOCCARUMORE

A product of the past made with modern technology! Effective, convenient to handle and install, versatile, lightweight, and green: **Isolmant Polifibre Bloccarumore** is the perfect solution for acoustic and thermal insulation in wall cavities! The convenient 0.6x6m roll size makes it an ideal solution for renovation because it is lightweight and easy to handle. It can be inserted into metal frames of both walls and supporting walls and into plasterboard ceilings.



ACOUSTIC BAFFLES

Accessories for acoustic insulation of movable walls

Acoustic baffles are vertical partitioning elements to be used in the cavity of suspended ceilings or raised floors at the vertical partitions between units to improve the acoustic and thermal performance of these building elements.

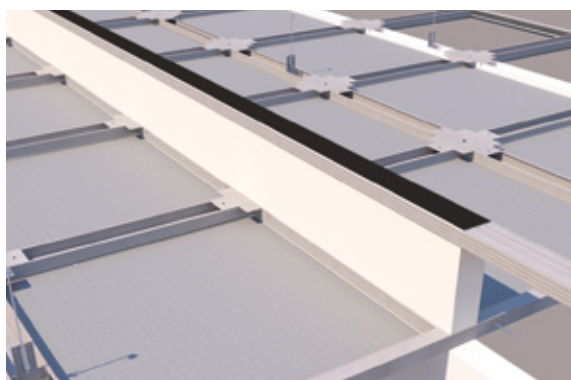
Acoustic baffles reduce insulation losses due to the formation of acoustic bridges at the upper or lower vertical joints at partitions.

Often, small but crucial details are overlooked that negatively affect acoustic comfort.

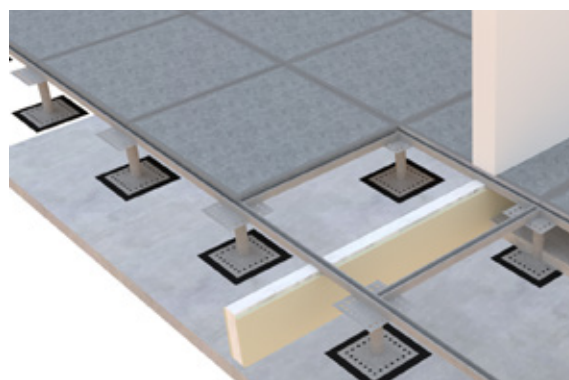
This is the case with movable walls or raised floors, which are frequently found in offices. In these situations, acoustic bridges are often created at the upper or lower vertical joints of partitions, resulting in significant insulation losses. Isolmant Setto Acustico acoustic baffle, in the Fibra and CG versions, is the easy and effective solution to this type of problem. Inserted in the cavity of suspended ceilings or raised floors at vertical partitions, it blocks the passage of noise and provides acoustic insulation between the two housing units.

Isolmant Setto Acustico Fibra: The most flexible solution, can be shaped around existing pipes and ducts.

Isolmant Setto Acustico CG: The highest performance solution (soundproofing power $R_w = 48$ dB), due to its sandwich structure with two plasterboard panels enclosing a FIBTEC FLC panel.



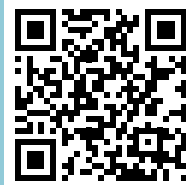
↑ Insertion of Isolmant Setto Acustico into the ceiling cavity.



↑ Insertion of Isolmant Setto Acustico into the floating floor cavity.



DISCOVER the solutions and the application methods in the worksite for acoustic insulation of plasterboard walls and supporting walls



ADJOINING WALLS

Isolmant4You dry system

When it is necessary to insulate one or more rooms from the interior, whether residential or commercial, it is essential to choose materials that provide the best performance and offer a range of benefits to both the installer and the end user. The Isolmant4you range is the result of the most advanced technological research to ensure the best performance for acoustic and thermal wall rehabilitation.

Isolmant has in fact revolutionized the renovation concept by modulating its technology to the needs and requirements of each individual project and application.

Isolmant's innovative soundproofing technologies are combined with various plasterboard panels to create customized solutions for every room and renovation intervention. An efficient, sustainable, healthy, quick, and easy-to-apply dry system, requiring no demolition work, and providing excellent and long-lasting results.

ISOLMANT TECHNOLOGY

Isolmant **SPECIAL**

Isolmant **PERFETTO**

Isolmant **TELOGOMMA**

Isolmant **DUO**

PLASTERBOARD PANELS

STANDARD panel

IDRO panel

D+ SALUS panel

D+ RESISTO panel

The Isolmant4you dry system consists of four main products, each available in four versions (Standard, Idro, D+ Salus, and D+ Resisto):

- IsolGypsum Special
- IsolGypsum Perfetto
- IsolGypsum Telogomma
- IsolGypsum Duo

Each product is thus characterized by a specific area of application and responds to various soundproofing requirements, perfectly meeting the installer's and end customer's needs.

Included in the Isolmant4You system is the brand new **IsolGypsum Special Super Green**, made with **Isolmant Special Serie R Fossil Free** coupled with a special panel with high recycled content.

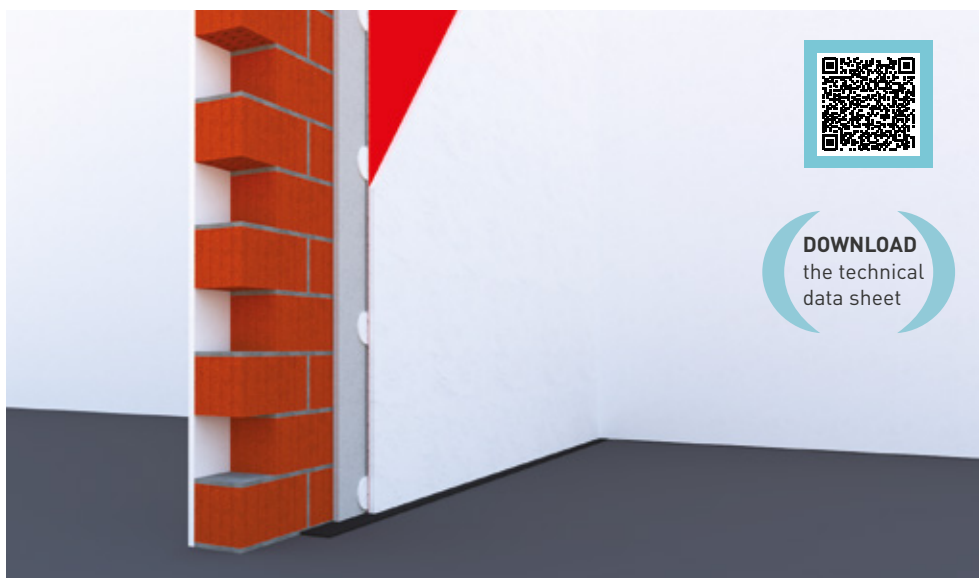
The versatility of the range makes it possible to find the perfect solution both in the presence of reduced thicknesses, where it is possible to simply install a coupled cladding panel. In larger spaces, complex structures can be installed (e.g. supporting walls with framing).



LOW-THICKNESS THERMO-ACOUSTIC RENOVATION

Salvamuro technology

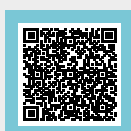
Where very low thickness and a combination of acoustic and thermal functionality is required, IsolGypsum Special is the ideal product for a cladding application that provides comprehensive renovation. It does not involve invasive masonry work and allows for improved room comfort. Its function as a “wall saver” lasts over time because its proper application on an existing wall decreases the risk of mold and surface condensation.



← *IsolGypsum Special is available in two versions based on the thickness of the Isolmant Special layer: 10 mm and 5 mm. It is covered with a specific fabric sheet and like all products in the Isolmant4You line both thicknesses are available in Standard, Hydro, D+ Salus, and D+ Resisto versions.*



Slab with 35% recycled content and ActiveAir® technology



DOWNLOAD
the technical
data sheet

Isolmant Special
Serie R



SUPER GREEN INNOVATION

IsolGypsum Special Super Green is the brand new solution specific for acoustic and thermal rehabilitation of low thickness walls, a special product that has the highest sustainable standards on the market for coupled plasterboard panels. In fact, it is made with a 10-mm-thick ISCC Plus-certified Isolmant Special Serie R Fossil Free panel, covered with a specific fabric cloth, coupled to a panel with 35% recycled content and ActiveAir® technology.

NO MORE COLD WALLS

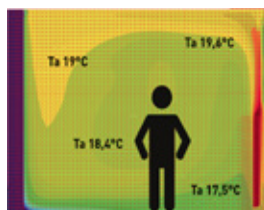
How IsolGypsum Special and Super Green work

- Solving the cold wall problem
- Improving indoor comfort
- Decreasing the risk of mold and condensation growth
- Allowing good energy saving

In this study, we demonstrate how the wall application of IsolGypsum Special increases the operating temperature of a room by decreasing the need for mechanical heating

INITIAL CONDITION (*WITHOUT IsolGypsum SPECIAL and IsolGypsum Super Green cladding*)

TO REACH 20°C.



The imposed outdoor temperature is 0°C and the boundary temperatures are 20°C. The power output of the radiator to achieve an average air temperature of **18.4°C** is **57 W/m²**.

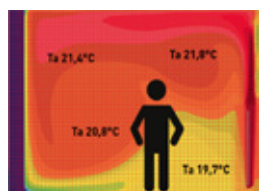
AIR TEMPERATURE 18.4°C
WALL TEMPERATURE 9.1°C

OPERATING
TEMPERATURE
15.7°C

Outdoor temperature 0°C - Emission power Q: 57 W/sqm

TEMPERATURE INCREASE (*WITHOUT IsolGypsum SPECIAL and IsolGypsum Super Green cladding*)

TO REACH 20°C.



Raising the thermostat increases the air temperature to approx **21°C**, but the wall still remains quite cold and the operating temperature is below **18°C**.

AIR TEMPERATURE 20.8°C
WALL TEMPERATURE 10.8°C

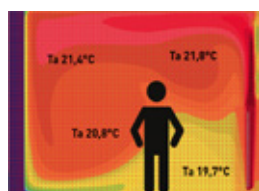
OPERATING
TEMPERATURE
17.5°C

Outdoor temperature 0°C - Emission power Q: 80 W/sqm

ISOLGYPSUM SPECIAL AND ISOLGYPSUM SPECIAL SUPER GREEN ACT ON THE COLD WALL PHENOMENON BY IMPROVING INDOOR COMFORT.

-40% ENERGY (*WITH IsolGypsum SPECIAL and IsolGypsum Super Green cladding*)

COMFORT CONDITION



Applying IsolGypsum Special, the air temperature exceeds **21°C** and the wall is no longer cold, the operating temperature exceeds **18°C** with a 40% saving in power output from the radiator.

AIR TEMPERATURE 21°C
WALL TEMPERATURE 13.4°C

OPERATING
TEMPERATURE
19.7°C

Outdoor temperature 0°C - Emission power Q: 57 W/sqm

CEILING ACOUSTIC RENOVATION

High- and low-thickness solutions

Acoustic and thermal rehabilitation of boundary floors between housing units can be carried out by making a plasterboard ceiling on a pendant or self-supporting metal frame using suitable panels found in the Isolmant4You system combined with the specific materials for insertion into the ceiling air cavity.

In this case, the acoustic impedance of the two materials plus the air cavity goes together in a serial mode in an acoustically high-performing system. If there is little thickness available, installers can opt for a simpler solution involving a smaller air cavity between the absorbent material and the ceiling and finishing with a single coupled panel or even placing the single plated panel on the ceiling.



↑ *False ceiling with cavity, insertion of insulation material and finishing with double plasterboard*



↑ *Low-thickness, single-plasterboard ceiling finish with IsolGypsum Telogomma or IsolGypsum Perfect 10 mm screwable*

ISOLMANT PERFETTO “SCREWABLE” VERSION

IsolGypsum Perfetto is also available in a screwable version with a sheet coupled with a 10-mm FIBTEC panel with a fiber conformation designed for this specific application. An ideal solution for building small structures with high-performance and minimally invasive lining. Available in the four versions Standard, Hydro, D+ Salus, and D+ Resisto.



DOWNLOAD
the technical
data sheet



*Construction of a supporting wall with plasterboard ↑
screwed onto the frame.*

ACOUSTIC ACCESSORIES

The accessories necessary for a proper wall acoustic system

Accessories supporting sound insulation are a key element of Isolmant solutions. Installation is an essential element in the proper implementation of the acoustic system. Improper installation and/or failure to use proper accessories compromises the performance of the system and can result in the loss of many decibels. This is why Isolmant offers a complete and specific range of accessories, allowing the ideal product to be chosen according to the type of structure and resilient material used.

The Isolmant range for airborne noise insulation includes accessories for:

WALL STRIPS

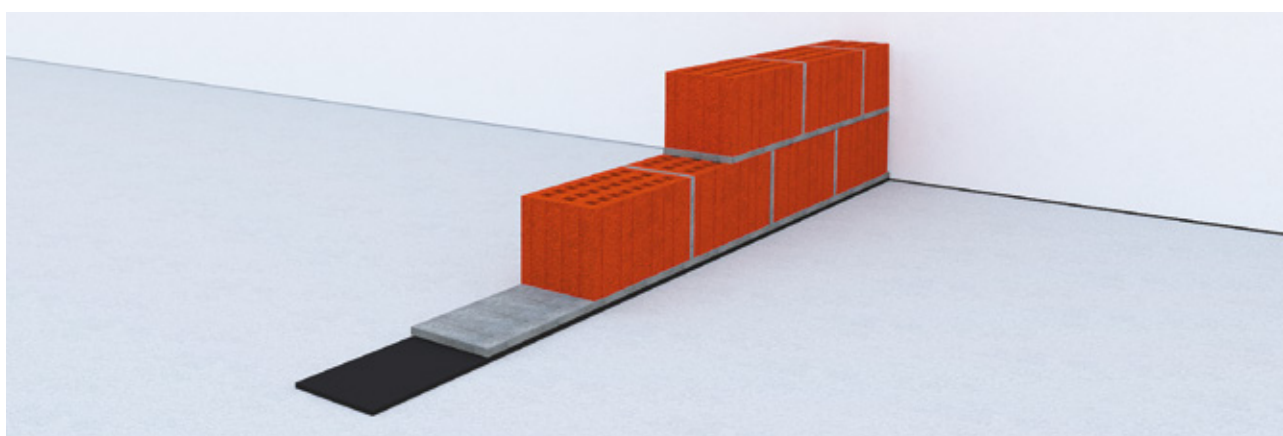
separate the partition (whether interior or perimeter) from the floor, thereby reducing the passage of noise – available for both brick and plasterboard walls

UNIVERSAL STRIPS

such as tape strip, which can also be used for the disconnection of metal frames

GLUE

such as Isolmant Incollafacile, specifically for bonding plasterboard panels



↑ The choice of Isolmant Fascia Tagliamuro Standard or Strong depends on the surface mass of the masonry.



STAY UPDATED
discover all the
accessories for building
a proper wall acoustic
system

DOWNLOAD data sheets
to choose the right
product for your needs



PRODUCTS

PRODUCTS FOR CAVITY WALL INSULATION



ISOLMANT POLIMURO

PRODUCT SPECIFICALLY DESIGNED FOR ACOUSTIC INSULATION OF PARTITIONS WITH REDUCED-THICKNESS CAVITY OR IN STRUCTURES, INCLUDING DRYWALL STRUCTURES, WITH MINIMAL THICKNESSES.

Product consisting of Isolmant 5 mm coupled on both sides with FIBTEC XF1 (special needle-punched fiber produced to calibrated specifications to improve acoustic performance). Overlapped for easy installation.

Nominal thickness: 12 mm



ISOLMANT PERFETTO SPECIAL

HIGH PERFORMANCE IS COMBINED WITH EXTREME EASE OF INSTALLATION ON THE BUILDING SITE, THANKS TO THE ADHESIVE OVERLAP AND THE FULL-HEIGHT LOAD-BEARING PANEL. SPECIFICALLY FOR PARTITION AND PERIMETER WALLS.

Product composed of a panel of ISOLFIBTEC PFT (recycled fiber in technical polyester fabric with increasing density along the thickness, high thermo-acoustic performance) coupled with Isolmant Special 5 mm. Unlimited durability, non-toxic, environmentally-friendly.

Overlapped product with adhesive taping. Full-height panel for easy installation. To be positioned with the screen-printed side (Isolmant logo) exposed.

Nominal thickness: 30 - 50 mm

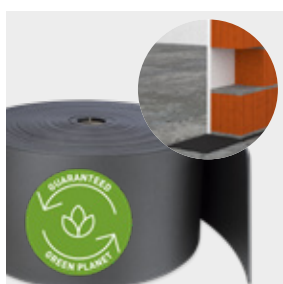


ISOLMANT PERFETTO TR

FIBTEC TECHNOLOGY IN A PRODUCT SPECIFICALLY FOR PERIMETER AND PARTITION WALLS.

Product composed of ISOLFIBTEC PFT (recycled fiber in technical polyester textile with increasing density along the thickness, high thermo-acoustic performance) panel. Unlimited durability, non-toxic, environmentally-friendly. Full-height panel for easy installation. Fire rating: Euroclass B-s2,d0.

Nominal thickness: 30 - 50 mm (in stock)



ISOLMANT FASCIA TAGLIAMURO STANDARD/STRONG

AVAILABLE IN VARIOUS WIDTHS, ESSENTIAL FOR PROPER WALL ACOUSTICS.

10/15/30 cm strip of high-density Isolmant, calibrated in its composition to act as an "acoustic spring" below partitions, eliminating the transmission of noise from the wall to the slab and vice versa.

AVAILABLE IN TWO VERSIONS

- STANDARD 50 KG/m³ for soundproofing under lightweight partitions
- STRONG 70 KG/m³ for soundproofing under heavy partitions

Nominal thickness: 4 mm (Standard) and 6 mm (Strong)





DRY LINING INSULATION PRODUCTS



ISOLGYPSUM SPECIAL STANDARD

THE UNIQUE ISOLMANT "SALVAMURO" WITH STANDARD PANEL.

A product for thermo-acoustic renovation consisting of a 12.5-mm-thick type A panel (made up of a rehydrated hemihydrate gypsum core, covered on both sides with cellulose material acting as external reinforcement) coupled with a 5 or 10 mm thick Isolmant Special panel. To be installed with the coated gypsum panel exposed.

Nominal thickness: 17.5 - 22.5 mm



ISOLGYPSUM SPECIAL IDRO

THE INIMITABLE ISOLMANT "SALVAMURO" WITH SPECIFIC PANEL FOR WET ENVIRONMENTS.

A product for thermo-acoustic renovation consisting of a 12.5 mm thick H2 type special panel (with reduced water absorption) coupled with a 5 or 10 mm thick Isolmant Special panel. To be installed with the coated gypsum panel exposed.

Nominal thickness: 17.5 - 22.5 mm



ISOLGYPSUM SPECIAL D+ SALUS

THE UNIQUE ISOLMANT "SALVAMURO" WITH A HEAVY PANEL THAT ALSO PURIFIES THE AIR.

A product for thermo-acoustic renovation consisting of a special panel with increased core density, 12.5 mm thick (with gypsum added with glass fibers), coupled with a 5 or 10 mm thick panel of Isolmant Special. The special Activ Air technology allows the panel to absorb and neutralize up to 70% of the formaldehyde in the air. Covered with a special white paper that facilitates finishing operations. To be installed with the coated gypsum panel exposed.

Nominal thickness: 17.5 - 22.5 mm



ISOLGYPSUM SPECIAL D+ RESISTO

THE INIMITABLE ISOLMANT "SALVAMURO" WITH HIGH LOAD-BEARING PANEL AND INCREASED SOUNDPROOFING POWER.

A product for thermo-acoustic renovation consisting of a 12.5 mm thick special type of coated gypsum panel (a panel with increased core density, the gypsum of which is additivated with a high amount of glass fibers), coupled with a 5 or 10 mm thick panel of Isolmant Special. Covered with a special white paper that facilitates finishing operations. To be installed with the coated gypsum panel exposed.

Nominal thickness: 17.5 - 22.5 mm



DRY LINING INSULATION PRODUCTS



ISOLGYPSUM PERFETTO STANDARD

THE ACOUSTIC PERFORMANCE OF FIBTEC IN A STANDARD COUPLED PANEL.

Product for the acoustic renovation of walls composed of a 12.5 mm thick type A slab (consisting of a rehydrated hemihydrate gypsum core, covered on both sides with a cellulose material acting as external reinforcement) coupled with a 10 or 20 mm thick Isolmant FIBTEC panel. To be installed with the coated gypsum panel exposed.

Nominal thickness: 22.5 - 32.5 mm



ISOLGYPSUM PERFETTO IDRO

THE ACOUSTIC PERFORMANCE OF FIBTEC IN A STANDARD COUPLED SPECIFIC PANEL FOR WET ENVIRONMENTS.

A product for acoustic wall renovation consisting of a 12.5 mm thick special type H2 panel (with reduced water absorption) coupled with a 10 or 20 mm thick panel of Isolmant FIBTEC. To be installed with the coated gypsum panel exposed.

Nominal thickness: 22.5 - 32.5 mm



ISOLGYPSUM PERFETTO D+ SALUS

THE ACOUSTIC PERFORMANCE OF FIBTEC IN A HEAVY COUPLED PANEL THAT ALSO PURIFIES THE AIR.

A product for acoustic restoration of walls consisting of a special panel with increased core density, 12.5 mm thick (with gypsum added with glass fibers), coupled with a panel of Isolmant FIBTEC 10 or 20 mm thick. The special Activ Air® technology allows the panel to absorb and neutralize up to 70% of the formaldehyde in the air. Covered with a special white paper that facilitates finishing operations.

To be installed with the coated gypsum panel exposed.

Nominal thickness: 22.5 - 32.5 mm



ISOLGYPSUM PERFETTO D+ RESISTO

THE ACOUSTIC PERFORMANCE OF FIBTEC STRENGTHENED BY A HIGH LOAD-BEARING PANEL WITH INCREASED SOUNDPROOFING CAPACITY.

A product for acoustic renovation of walls consisting of a 12.5 mm thick special type of coated gypsum panel (a panel with increased core density, the gypsum of which is additivated with a high amount of glass fibers), coupled with a 10 or 20 mm thick panel of Isolmant FIBTEC. Covered with a special white paper that facilitates finishing operations. To be installed with the coated gypsum panel exposed.

Nominal thickness: 22.5 - 32.5 mm



DRY LINING INSULATION PRODUCTS



ISOLGYPSUM TELOGOMMA STANDARD

ISOLMANT TELOGOMMA TECHNOLOGY COUPLED WITH A STANDARD PANEL SPECIFICALLY FOR USE AS A SECOND PANEL IN STRUCTURES WITH A SUPPORTING WALL.

A product for the acoustic renovation of walls consisting of a 12.5 mm thick Type A sheet (consisting of a rehydrated hemhydrate gypsum core, covered on both sides with cellulose material with the function of external reinforcement) coupled with a panel of Isolmant Telogomma 2 mm thick surface density 4 kg/m².

To be installed with the coated gypsum panel exposed.

Nominal thickness: 14.5 mm



ISOLGYPSUM TELOGOMMA IDRO

ISOLMANT TELOGOMMA TECHNOLOGY COUPLED WITH A HYDRO PANEL, SPECIFICALLY FOR USE AS A SECOND PANEL IN STRUCTURES WITH SUPPORTING WALL IN WET ENVIRONMENTS.

A product for acoustic renovation of walls consisting of a 12.5 mm thick special type H2 sheet (with reduced water absorption) coupled with a 2 mm thick panel of Isolmant Telogomma surface density 4 kg/m². To be installed with the coated gypsum panel exposed.

Nominal thickness: 14.5 mm



ISOLGYPSUM TELOGOMMA D+ SALUS

ISOLMANT TELOGOMMA TECHNOLOGY COUPLED WITH A HEAVY PANEL THAT ALSO PURIFIES THE AIR, SPECIFICALLY FOR USE AS A SECOND PANEL IN STRUCTURES WITH A SUPPORTING WALL.

A product for acoustic renovation of walls consisting of a special sheet with increased core density, 12.5 mm thick (with gypsum added with glass fibers), coupled with a 2 mm thick panel of Isolmant Telogomma surface density 4 kg/m². The special Activ Air® technology allows the panel to absorb and neutralize up to 70% of the formaldehyde in the air. Covered with a special white paper that facilitates finishing operations.

To be installed with the coated gypsum panel exposed.

Nominal thickness: 14.5 mm



ISOLGYPSUM TELOGOMMA D+ RESISTO

ISOLMANT TELOGOMMA TECHNOLOGY STRENGTHENED BY A HIGH LOAD-BEARING PANEL WITH INCREASED SOUNDPROOFING CAPACITY.

A product for acoustic renovation of walls consisting of a 12.5 mm thick special type of coated gypsum panel (panel with increased core density, the gypsum of which is additivated with a high amount of glass fibers), coupled with a 2 mm thick panel of Isolmant Telogomma surface density 4 kg/m². Covered with a special white paper that facilitates finishing operations.

To be installed with the coated gypsum panel exposed.

Nominal thickness: 14.5 mm



DRY LINING INSULATION PRODUCTS

(NEW)



ISOLGYPSUM DUO STANDARD

THE NEW SOLUTION THAT DOUBLES THE ACOUSTIC EFFECTIVENESS OF THE STANDARD PANEL.

A product for thermo-acoustic renovation consisting of a 12.5 mm thick type A panel (consisting of a rehydrated hemihydrate gypsum core, covered on both sides with cellulose material acting as external reinforcement) coupled with a layer of Isolmant Telogomma, EPDM with a special compound with mineral fillers and surface density of 4 kg/m², followed by a 10 mm thick layer of Isolmant Perfetto. To be installed with the coated gypsum panel exposed.

Nominal thickness: 24.5 mm



ISOLGYPSUM DUO IDRO

THE NEW SOLUTION THAT DOUBLES ACOUSTIC PERFORMANCE WITH A SPECIFIC PANEL FOR WET ENVIRONMENTS.

A product for thermo-acoustic renovation consisting of a special 12.5 mm thick H2 type panel (with reduced water absorption) coupled with a layer of Isolmant Telogomma, EPDM with a special compound with mineral fillers and surface density of 4 kg/m², followed by a 10 mm thick layer of Isolmant Perfetto. To be installed with the coated gypsum panel exposed.

Nominal thickness: 24.5 mm



ISOLGYPSUM DUO D+ SALUS

THE NEW SOLUTION THAT DOUBLES ACOUSTIC PERFORMANCE WITH A HEAVY PANEL THAT ALSO PURIFIES THE AIR.

A product for thermo-acoustic renovation consisting of a special panel with increased core density, 12.5 mm thick (with gypsum additivated by glass fibers), coupled with a layer of Isolmant Telogomma, EPDM with special compound with mineral fillers and surface density of 4 kg/m², followed by a 10 mm thick layer of Isolmant Perfetto. The special Activ Air® technology allows the panel to absorb and neutralize up to 70% of the formaldehyde in the air. Covered with a special white paper that facilitates finishing operations. To be installed with the coated gypsum panel exposed.

Nominal thickness: 24.5 mm



ISOLGYPSUM DUO D+ RESISTO

THE NEW SOLUTION THAT DOUBLES ACOUSTIC PERFORMANCE WITH A HIGH LOAD-BEARING PANEL WITH INCREASED SOUNDPROOFING CAPACITY.

A product for thermo-acoustic renovation consisting of a 12.5 mm thick, special type of coated gypsum panel (panel with increased core density, the gypsum of which is additivated with a high amount of glass fibers), coupled with a layer of Isolmant Telogomma, EPDM with a special compound with mineral fillers and a surface density of 4 kg/m², followed by a 10 mm thick layer of Isolmant Perfetto. Covered with a special white paper that facilitates finishing operations. To be installed with the coated gypsum panel exposed.

Nominal thickness: 24.5 mm



MORE PRODUCTS FOR CLADDING INSULATION



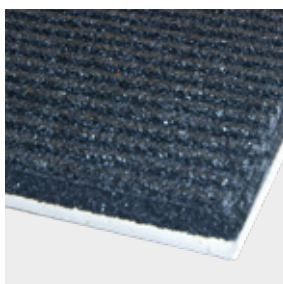
ISOLGYPSUM SPECIAL SUPER GREEN

THE COUPLED PRODUCT WITH THE HIGHEST SUSTAINABLE VALUE FOR ENVIRONMENTAL PROTOCOLS.

A product for thermo-acoustic renovation consisting of a 12.5 mm thick D-type sheet (consisting of a rehydrated, high-density, gypsum hemihydrate core with glass fiber and wood fiber additives and external paper coating) coupled with a 10 mm thick panel of Isolmant Special Serie R Fossil Free.

To be installed with the coated gypsum panel exposed.

Nominal thickness: 22.5 mm



ISOLGYPSUM GOMMA XL

NEW VERSION WITH SPECIAL PROCESSING OF THE RUBBER LAYER TO OPTIMIZE THE APPLICATION PHASE AND ACOUSTIC PERFORMANCE.

Product consisting of a coated plaster panel (12.5 mm thick) coupled with a layer of 20 mm thick rubber with 14 kg/m² surface density. The special rubber layer groove optimizes application and acoustic performance.

To be installed with the coated gypsum panel exposed.

Nominal thickness: 32.5 mm



ISOLMANT INCOLLAFACILE

THE SEALING ADHESIVE SPECIFICALLY FOR BONDING AND SEALING BARE OR COUPLED PLASTERBOARD PANELS.

MS polymer-based elastic universal adhesive with high initial tack. Provides excellent grip on most materials, specifically for bonding bare or coupled plasterboard panels. Non-corrosive and solvent-free. It provides good grip even on wet substrates.

290 ml cartridge

Yield: 1 cartridge per 1.2 x 2.0 m panel (1 cartridge/2.4 m²)



ISOLMANT FASCIA TAGLIAMURO ISOLGYPSUM

ESSENTIAL FOR THE PROPER IMPLEMENTATION OF THE ACOUSTIC SYSTEM IN THE ISOLGYPSUM RANGE.

High-density (70 kg/m³) 5 cm Isolmant adhesive strips specifically for installing pre-coupled plasterboard panels.

Nominal thickness: 6 mm



PRODUCTS FOR INSULATING WALLS AND SUPPORTING WALLS MADE OF PLASTERBOARD



ISOLMANT POLIFIBRE BLOCCARUMORE

ISOLMANT TECHNOLOGY PACKED INTO A CAVITY PRODUCT SPECIFICALLY DESIGNED FOR RENOVATION. EASY TO INSTALL AND EASY TO HANDLE.

Product composed of red Isolmant Special, positioned between two panels in ISOLFIBTEC FLC with a thickness of approximately 20 mm each (recycled fiber in technical polyester fabric with high acoustic and thermal performance). Unlimited durability, non-toxic, and green. The roll format makes installation quick and easy, to be placed in cavities for the soundproofing and thermal insulation of vertical partitions.

Nominal thickness: 40 mm



ISOLMANT PERFETTO CG

A UNIQUE COMPOUND MAKES PERFETTO CG THE TOP CHOICE FOR PLASTERBOARD STRUCTURES, IDEAL IN BOTH VERTICAL STRUCTURES AND SUSPENDED CEILINGS.

Product consisting of a ISOLFIBTEC PFT panel (recycled fiber in technical polyester textile with increasing density along the thickness, high thermo-acoustic performance) specifically for plasterboard applications.

Unlimited durability, non-toxic, environmentally-friendly.

Fire rating: Euroclass B-s2,d0.

Nominal thickness: 25 - 45 mm



ISOLMANT SETTO ACUSTICO FIBRA

THE MOST FLEXIBLE SOLUTION, CAN BE SHAPED AROUND EXISTING PIPES AND DUCTS.

Acoustic baffle to complement interior movable or plasterboard walls to be placed in the cavity between the wall and the lower slab or between the wall and the upper slab. A panel composed of ISOLFIBTEC FLC, recycled and heat-bonded polyester fiber with high density (60 kg/m³).

Nominal thickness: 8 cm - Length: 120 cm - Height: on request, max 1 m



ISOLMANT SETTO ACUSTICO CG

THE MOST HIGH PERFORMANCE SOLUTION WITH $R_w = 48$ dB.

Acoustic baffle to complement interior movable or plasterboard walls to be placed in the cavity between the wall and the lower slab or between the wall and the upper slab. Made by sandwiching two 12.5 mm gypsum board panels and 80 mm ISOLFIBTEC FLC (recycled, heat-bonded polyester fiber) panel.

Nominal thickness: 10.5 cm - Length: 120 cm - Height: on request, max 1 m





**MASSIVE
PRODUCTS**



MASS-DEMANDING APPLICATIONS

When we talk about noise transmission, whether it is impact noise (transmitted through the slab from an upper room to the lower room) or airborne noise (transmitted through the slab or through walls), the acoustic system is always defined as a mass-spring-mass system, implemented on site by fitting insulating material between two structures.

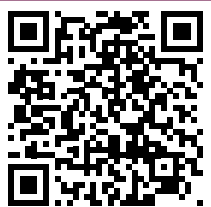
The mass-spring-mass principle, however, has shown limitations over the years where there are extremely light or weak structures. The extensive research conducted and experience on the construction site have in fact shown that in order to achieve optimal results, it is not enough to use acoustic products that have massive properties as their only characteristic.

The perfect combination of mass and elasticity: the new isolmant telogomma tailor-made solutions for lightweight structures.

The research for the development of the new Telogomma line focused on finding the optimal elasticity-to-mass ratio of the new compound to achieve the best acoustic comfort in all those structures where mass is the main issue. This was the starting point for the **Massive System by Isolmant**, which consists of products with an optimal ratio of elasticity to mass for total acoustic comfort.

These solutions meet **the needs of all those lightweight structures that require not only more mass input, but also good vibration damping capacity. Three comprehensive and well-calibrated products to cover major construction site needs:**

- **Isolmant Telogomma Classic**, the new Telogomma product from Isolmant upgraded with a new elastodynamic compound specifically for acoustic insulation and vibration damping in lightweight structures
- **Isolmant Telogomma E+45**, made with the new Telogomma inserted between two layers of Isolmant Special, particularly suitable for the acoustic insulation of wooden or lightweight slabs where good airborne noise insulation is also required
- **Isolmant Telogomma Plus**, a soft and flexible multi-purpose product suitable for insulating pipes, shutter boxes, and small components with uneven surfaces.



DISCOVER Isolmant's massive solutions for solving acoustic insulation applications where there is a requirement for mass contribution

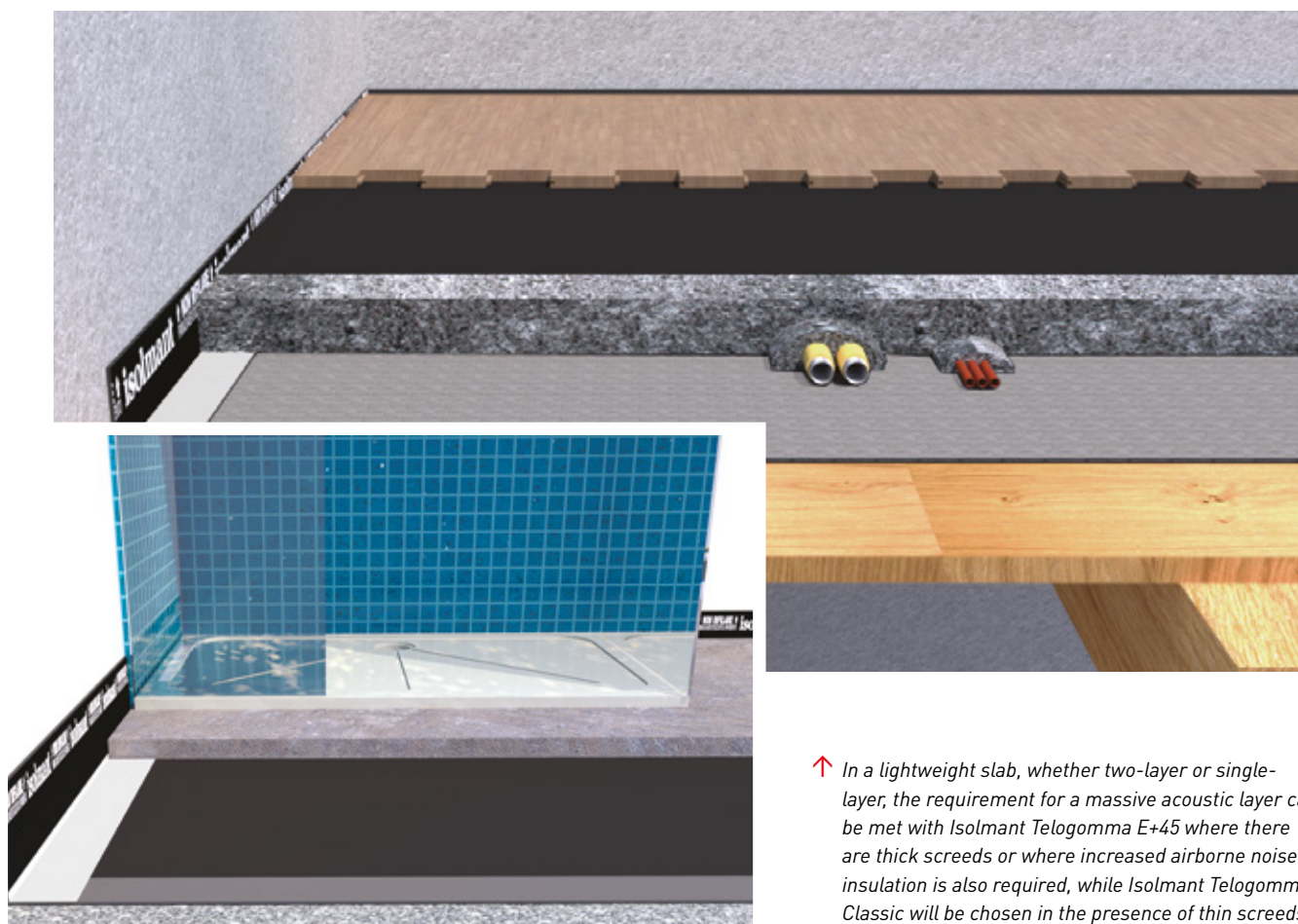
DOWNLOAD data sheets to choose the right product for your needs

HORIZONTAL STRUCTURES

Acoustic insulation in lightweight structures, such as wooden structures, is strongly affected by the acoustic characteristics of each individual building component depending on the different construction technologies, the type of structural and non-structural joints, and the installation method. Precisely with the problems inherent in applications with lightweight layer structures in mind, or for all those situations where there is a need to add mass for acoustic purposes, the products of the Telogomma

line have been implemented, which thanks to the new elastodynamic compound can combine the massive component, necessary for the soundproofing of these structures, with the fundamental characteristics of elasticity useful for being able to best absorb all incident vibrations.

This allows excellent acoustic comfort to be achieved despite often borderline site situations.



↑ Shower tray insulation is often an unmanaged element at the design level. It is essential to study these details as well, in this case providing for the inclusion of Isolmant Telogomma Classic.

↑ In a lightweight slab, whether two-layer or single-layer, the requirement for a massive acoustic layer can be met with Isolmant Telogomma E+45 where there are thick screeds or where increased airborne noise insulation is also required, while Isolmant Telogomma Classic will be chosen in the presence of thin screeds.

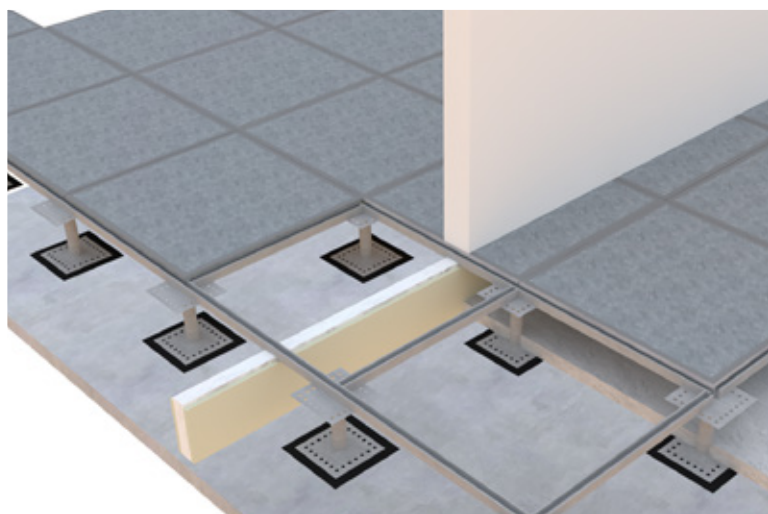
VERTICAL STRUCTURES AND OTHER APPLICATIONS

Massive System solutions can also be used to weigh down vertical structures already built or under construction. For example, as in the layer structure below, where the designer or installer needed to use a different solution than coupled panels, Isolmant Telogomma Classic can be used, which can be applied at the top of the panel and easily cut at the base. This type of solution is useful/effective when the construction site situation requires the use of a different solution than coupled panels.

Isolmant Telogomma Classic is also suitable for other applications where both acoustic insulation and vibration damping need to be achieved, including in customized formats made possible by the flexibility and expertise of the technical and production departments, which work in synergy to create *ad hoc* solutions for customer needs.



↑ Acoustic insulation with massive material insertion between two plasterboard panels. Isolmant Telogomma Classic can be applied at the head of the slab and easily cut at the base.



↑ In floating floors, the insertion of Telogomma with an adhesive side below the feet ensures easy installation and ideal vibration damping.



STAY UPDATED

Discover all the features of Isolmant Telogomma Classic

MACHINERY INSULATION

How noise is transmitted and how it is resolved

All pipes in general cause annoying noises that are transmitted both by air and by structure. Such noises contribute to decreased acoustic comfort inside the rooms, especially during nighttime hours. System noise, as defined by Italian Prime Ministerial Decree 5/12/97, are divided into two types according to the type of operation of the system.

These are referred to as:

- **Discontinuous operation systems**, namely random and variable according to users' needs: elevators, plumbing drains, bathrooms, toilets, and faucets
- **Continuous operation systems**, namely fixed, continuous, and timed: heating, ventilation, and air conditioning system

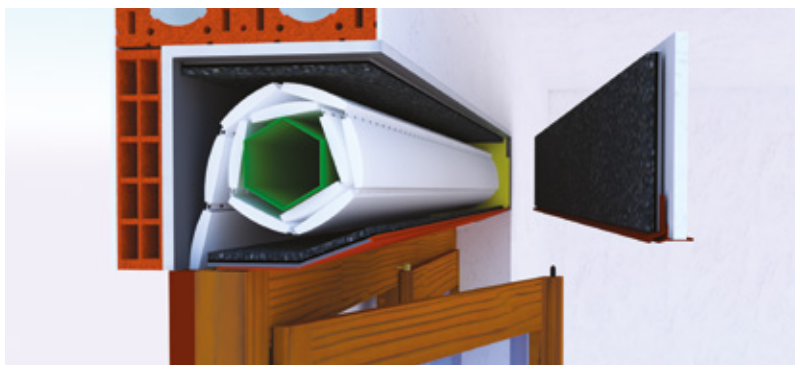
The proper acoustic design of the systems must ensure the passage of piping and exhaust columns in special insulated cavities made of masonry. It is preferable not to obtain the cavity within partition walls between building units so as not to go to weaken the elastic acoustic resistance of the wall. The pipes must in all cases be lined with soundproofing and massive material. Isolmant's construction solution involves the use of Isolmant Telogomma Plus, which is ideal for wrapping pipes and ensuring high noise reduction, as well as preventing rigid contact of pipes with masonry components (for this function, it is advisable to wrap the pipes even when using silenced pipes, where vibration damping collars are not used). To increase the effectiveness of the system, filling the cavities with fibrous material is recommended.



↑ *Isolmant Telogomma Plus is quick and easy to install on the construction site because of its adhesive backing and conformability.*

Shutter box insulation

Shutter boxes can be a critical element in the passage of noise from the outdoors to the indoors. In this case, acoustic insulation should be made of a material that is both sound-insulating and sound-absorbing at the same time. Isolmant proposes a solution with Telogomma Plus, a product adhesively bonded on one side that makes it possible to increase mass, isolate noise from the outside, and at the same time close gaps to the outside.



← Isolmant Telogomma Plus provides mechanical fastening in order to ensure that its adhesion is maintained over time.

ISOLMANT TELOGOMMA PLUS, VERSATILE AND CONFORMABLE: THE IDEAL SOLUTION FOR MANY APPLICATIONS

Isolmant Telogomma Plus is a flexible adhesive product designed for a variety of applications and for easy and smart installation. It is ideal for application to surfaces of different sizes, including non-planar surfaces such as pipes, shutter boxes, sheet metal, etc.



FLEXIBLE AND RESISTANT

Due to its conformability and flexibility, it adapts to any kind of surface, even non-planar or uneven surfaces.



VERSATILE

Ideal for all environments, whether residential, commercial, or public. Its special composition makes it a champion in vibration damping.



EASY-TO-INSTALL

Thanks to the adhesive backing, it is easily installed. It adapts to surfaces because it is easily cut during installation using a simple cutter.



Isolmant Telogomma **EASIER** and **FASTER** to install at the construction site thanks to its adhesive backing and conformability

DOWNLOAD the data sheet and find out all the features of Isolmant Telogomma Plus



PRODUCTS

PRODUCTS SPECIFIC TO HIGHER MASS-DEMANDING APPLICATIONS



ISOLMANT TELOGOMMA CLASSIC

UPGRADED VERSION WITH IMPROVED PERFORMANCE LEVELS. THE IDEAL PRODUCT FOR SOUNDPROOFING AND VIBRATION DAMPING IN LIGHTWEIGHT STRUCTURES.

New rubber-based elastodynamic compound with calibrated amounts of mineral fillers for increased surface mass without compromising the elastic capabilities that are essential for optimum acoustic comfort. Covered on both sides with an innovative non-stick gauze.

Also available in adhesive version upon request.

Nominal thickness: 1.7 mm



ISOLMANT TELOGOMMA E+45

SPECIFICALLY FOR LIGHTWEIGHT SLABS WHERE A COMPLETE PRODUCT (SPRING + MASS) IS REQUIRED, WHICH ALSO REDUCES AIRBORNE NOISE.

Product composed of the new Isolmant Telogomma Classic coupled on both sides with Isolmant Special. Telogomma E+45 is particularly suitable for the soundproofing of wooden or lightweight slabs. The product combines the excellent impact sound insulation provided by the Isolmant Special layer with the excellent characteristics of the massive elastodynamic compound of the new Telogomma Classic.

Nominal thickness: 8 mm



ISOLMANT TELOGOMMA PLUS

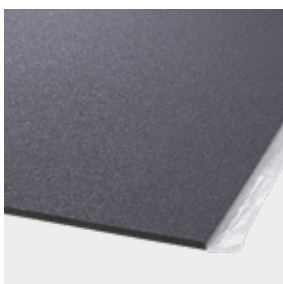
SPECIFICALLY FOR INSULATING LARGER OR SMALLER COMPONENTS SUCH AS PIPES, SHUTTER BOXES, SHEET METAL, ETC. DUE TO ITS ABILITY TO DAMPEN EVEN LARGE VIBRATIONS. SOFT AND ADHESIVE, THANKS TO ITS CONFORMABILITY IT ADAPTS TO ALL SURFACES, EVEN NON-PLANAR ONES.

Flexible adhesive product consisting of the new Isolmant Telogomma Classic coupled with closed-cell, elastic polyolefin polymer compound foam. Thanks to its conformability and adhesive backing, it is ideal for application on surfaces of different sizes, including non-planar surfaces. Easily cut with a cutter.

Nominal thickness: 7.5 mm



VIBRATION DAMPING PRODUCTS



ISOLMANT CEMENTO ARMATO

SPECIFIC PRODUCT FOR COATING REINFORCED CONCRETE STRUCTURES.

Isolmant product adhesive-coated on one side, for cladding reinforced concrete structures (stairwells, lift shafts, and pillars in general).

Nominal thickness: 5 - 10 mm



ISOLMANT DAMP

VIBRATION DAMPING SPECIFICALLY FOR HORIZONTAL STRUCTURES SUBJECTED TO HIGH LOADS.

A product consisting of a selected agglomerate of vulcanized rubber granules with a density of approx. 700 kg/m³ for application as vibration damping under equipment or high loads.

Nominal thickness: 5 - 10 - 20 mm



ISOLMANT STRONG

FOR SOUNDPROOFING AND VIBRATION CONTROL.

High-density Isolmant mat (approximately 70 kg/m³) for special applications.

Nominal thickness: 6 mm



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DISCOVER THE ISOLSPACE RANGE

The indoor acoustic comfort brand from Isolmant

Isolspace is the form that meets the substance, the design that meets acoustic comfort.

Created from an idea that Isolmant had, Isolspace has a single mission: To combine acoustic wellness and design, through sound-absorbing and innovative solutions that fit into any living space in an original and unique way.

Most domestic and public settings have a poor "acoustic environment". Sounds and noises reflect off walls and furniture, amplifying and creating a background disturbance that undermines people's peace and health. Isolspace is the answer to this problem, allowing quick, rapid, and non-invasive intervention, with an added advantage: The inclusion of isolspace soundproofing solutions not only increases wellness, but also gives rooms an aesthetic restyling tailored to each project.

Isolspace today comes in four solutions, all made of ISOLFIBTEC, a special recycled fiber in technical polyester textiles obtained from 100% post-consumer recycled material, which is certified, non-toxic, and hypoallergenic. These textiles can therefore be applied in any kind of environment, whether public or domestic.

isolspace

STYLE

isolspace

Decorative
sound-absorbing
paintings

SKY

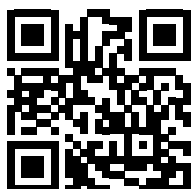
isolspace

Acoustic ceiling
panels

INDUSTRY

isolspace

Specifically for large
industrial spaces



DISCOVER the entire
isolspace range

f @isolspace



SOUND-ABSORBING FURNITURE ACCESSORIES FOR INTERIOR DESIGN

Isospace Skin is the new Tecnasfalti-Isolmant brand, created from the company's technical experience combined with the design and aesthetic experience of Wide Design Consultancy.

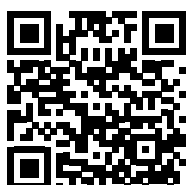
A high-impact furnishing accessory that was created to give every space a new aesthetic and comfort dimension.

The originality of Isospace Skin lies in its ability to take on different configurations resulting in unique and original walls that are always different from each other. This is possible thanks to the three-dimensional geometric texture and the 60x60 cm modules that, combined with each other in the two available designs and arranged in different orientations in the space, allow the creation of extended patterns that are more or less repetitive or with ever-changing designs. Isospace Skin is available in a palette that evokes the world of nature, stimulating reflection on a new vision of comfortable spaces in which the sound-absorbing furniture fits harmoniously into the architecture.

The Isospace Skin range also offers Skin Baffle and Skin Ceiling versions for suspended installation, and Skin Desk and Skin Stand, two specific solutions for office furniture. The Isospace Skin range is thus configured as a mix of versatile solutions that adapt to different types of environments, from the domestic sphere to hospitality, commercial, and convivial spaces. These functions differ in terms of types of use and intrinsic characteristics, but always with guaranteed results, both in terms of noise correction and aesthetics.

The versatility also extends to finishes and colors, with many new features being designed alongside the high propensity for custom projects tailored to the wishes of designers and planners.

isospaceSKIN



DISCOVER all versions
of the Isospace Skin Oblique collection

  @isolspaceskin

To place an order, for sales information and general information:
export@isolmant.it

For technical information on products:
tecnico@isolmant.it

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