



Linea



**ESSENTIAL**

# ISOLMANT FACILE XPS

## UNDERFLOOR INSULATION

The acoustic and thermal insulation solution for floating installation of parquet and laminate flooring

### WHAT IS ISOLMANT FACILE XPS

A resilient XPS (extruded polystyrene) layer, featuring a thousand-line embossing pattern, suitable for acoustic and thermal underfloor insulation. To be installed with the smooth side facing upwards. Thickness 5 mm.

### COMPATIBLE FLOORING\*

LAMINATE - (6 to 8 mm thick)	✓
LAMINATE - (Sp. 8 mm th.)	✓
LVT, SPC	✗
PREFINISHED PARQUET - 2 layers	✗
PREFINISHED PARQUET - 3 layers	✓
T&G SOLID WOOD FLOORING (thickness < 16 mm – plank width < 16 cm)	✗
CERAMICS	✗

\* General indications valid for traditional installation supports only

### AREAS OF APPLICATION

Isolmant Facile XPS is particularly recommended for uneven subfloors, as it allows leveling of small irregularities and prepares the substrate for the installation of parquet and laminate flooring. Thanks to its high thermal resistance, it is also recommended in all cases where thermal insulation of the floor slab is needed, reducing the "cold floor" effect. The product is not suitable for installation above underfloor heating systems.



ECOLOGICAL



SUSTAINABLE





HEALTHY



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.

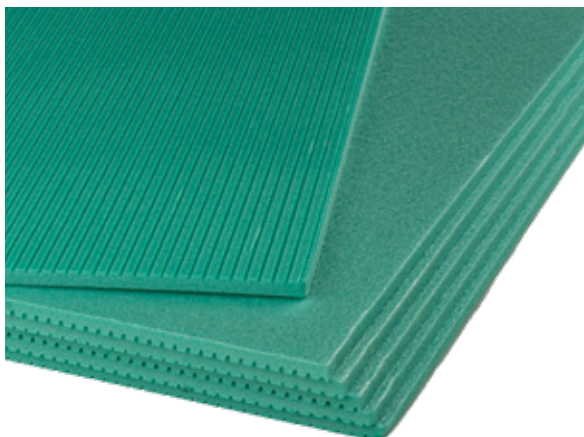
# ISOLMANT FACILE XPS > TECHNICAL INFORMATION | 1

		VALUE	ADDITIONAL INFORMATION	STANDARD
		NOMINAL THICKNESS:	5 mm	EN 823
Acoustic		SOUND INSULATION REFLECTED NOISE (RWS):	> 25 Sone	Superior performance EN 16205
		IMPACT SOUND REDUCTION (IS):	$\Delta L_w = 22$ dB	EPLF MMFA: superior performance ISO 10140-3
Mechanics		COMPRESSION RESISTANCE (CS):	70 kPa (0.5 mm deformation)	Class CS2 EPLF: Superior performance EN 826
		COMPRESSIVE CREEP (CC)	25 kPa (max load with def. < 0.5 mm in 10 years)	Class CC2 EPLF: superior performance EN 1606
		DYNAMIC LOAD RESISTANCE (DL):	> 100,000 cycles (at 25 kPa)	Class DL1 EPLF: superior performance EN 13793
		IMPACT RESISTANCE - LARGE BALL TEST (RLB):	1400 mm (with 7 mm DPL laminate)	Class RLB3 EPLF: superior performance EN 13329
		CONFORMABILITY (PC):	4.9 mm	PC3 EN ISO 868
Thermo-hygrometric		THERMAL RESISTANCE (RT):	$R_t = 0.179$ m <sup>2</sup> K/W	High thermal resistance EN 12664
		EQUIVALENT AIR LAYER THICKNESS (SD):	$S_d < 1$ m	method A @23°C from 0% to 50% relative humidity EN 12086
		FIRE REACTION CLASS:	$E_{fl}$	EN 13501-1
		VOLATILE ORGANIC COMPOUND EMISSION:	VOC A+	ISO 16000-9

	<p><b>CE MARKING:</b></p>	<p>For acoustic insulation products, harmonized standards for CE marking are NOT CURRENTLY AVAILABLE. This means that Isolmant products are currently NOT SUBJECT TO CE MARKING, nor to the preparation of DOP (Declaration of Performance) or DDP (Dichiarazione di Prestazione). All Isolmant products are placed on the market in compliance with the regulations in force in the country of destination and with the necessary certifications to guarantee their use in dedicated applications.</p>
	<p><b>SIZE:</b></p>	<p>In slabs of 0.5 m x 1.0 m equal to 0.5 m<sup>2</sup> Bundles of 10 slabs equal to 5 m<sup>2</sup></p>
	<p><b>PACK:</b></p>	<p>In pallets of 48 packs (240 m<sup>2</sup>)</p>

**SPECIFICATION ITEM**

Resilient layer made of XPS with thousand-line embossing pattern (Isolmant Facile XPS type). To be installed with the smooth side facing upwards. Thickness 5 mm.



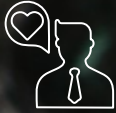




## GREEN FEATURES OF ISOLMANT FACILE XPS

- It does not contain volatile organic substances (VOC A+);
- Environmentally-friendly production;
- Contributes to achieving credits for environmental certification of a building according to LEED or ITACA protocols;
- Can be recycled and disposed of according to **CER No. 170604**.

It complies with the requirements defined by Construction MEC for soundproofing and thermal insulation materials with regard to the demand for high soundproofing performance, the percentage of recycled material and the absence of hazardous substances.





**Green Planet is the sustainability protocol of Isolmant**, which has placed this topic at the center of its development for years. A glimpse into a future that is built on the actions of the present, a set of tangible and conscious actions in line with the points expressed in the 2030 Agenda for Sustainable Development.

-  **SOSTENIBILITÀ DI PRODOTTO E PROCESSO**
-  **SOSTENIBILITÀ AMBIENTALE**
-  **RESPONSABILITÀ CORPORATE**
-  **RESPONSABILITÀ SOCIALE**







Scopri di più su [Isolmant.it](https://www.isolmant.it)

### ADVANTAGES

-  It increases thermal insulation of the floor slab, reducing the “cold floor” effect.
-  Vapor-breathable.
-  Water resistant.
-  Thanks to its high conformability, it allows leveling of irregularities in the laying surface.

### APPLICATION ADVANTAGES

-  The installation of Isolmant Facile XPS is particularly simple and quick.
-  No special tools are required—just a utility knife and tape.
-  Useful for reaching the desired height thanks to its 5 mm thickness.
-  Manufactured in slabs.



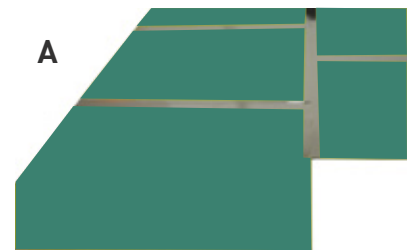
## SUBFLOOR PREPARATION

## STEP 1

The laying surface for Isolmant Facile XPS must be flat, clean, free from debris and oils. It is the installer's responsibility to assess the suitability of the surface for laying the underlay and flooring. When working on floor slabs that separate heated spaces from unheated areas or from outdoor spaces (e.g., first floors, pilotis floors), it is recommended to install ISOLMANT 200 BV (between the panel and finish, on the warm side).

## STEP 2 LAYING THE UNDERLAY

Isolmant Facile XPS sheets should be placed edge to edge and not overlapped, making sure to stagger them, and then taped together using Isolmant Aluminum Tape. The smooth side should face upwards (Figure A). It is recommended to finish laying approximately 10 mm away from side walls and door thresholds. Excess parts of the underlay can be cut with a utility knife and can be easily reused by taping them together.



## LAYING THE FLOORING

## STEP 3

The flooring can be installed in a floating manner, taking care to lay the flooring at a 90° angle to the underlay (figure B).



### CAUTIONS:

\* This data sheet does not constitute a specification and, since it consists of several pages, you must be sure to consult the complete document. The guidelines provided reflect our expertise but serve as general recommendations only. Users assume full responsibility for determining product suitability for specific applications and any consequences of use.

\*\* The sound insulation values given in this data sheet are the result of laboratory tests or tests carried out on site: they cannot be considered a predictive value for every situation found on site. Acoustic performance is closely related to the specific conditions of each construction site.

\*\*\* Caution: do not expose the product to direct sunlight and weather.



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