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ISOLMANT TOP CLASSIC

UNDERFLOOR INSULATION

A comprehensive acoustic underlayment solution engineered for optimal sound insulation beneath floating floor systems. Blue Angel certified.

WHAT IS ISOLMANT TOP CLASSIC

High-density viscoelastic thermally conductive underlayment, engineered for floating installations of parquet, laminate, LVT and SPC flooring systems, compatible with low-profile/low-thermal-mass radiant floor heating. Features aluminized PET foil barrier for protection against rising moisture.

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

The Isolmat Top Classic acoustic system has been specifically developed for the floating installation of laminate, parquet, and other multilayer modular flooring (MMF) of suitable thickness, ensuring optimal performance and durability. A high-quality system that reduces both impact and reflected noise. Isolmant Top Classic has been developed to protect the click-lock joints of these floorings, even under heavy loads.

Isolmant Top Classic is specifically indicated for use with underfloor heating and cooling systems.



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.



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		VALUE	ADDITIONAL INFORMATION	STANDARD
NOMINAL THICKNESS:		1,8 mm		EN 823
Acoustic	 REFLECTED WALKING SOUND (RWS):	23 Sone	Superior performance	EN 16205
	 IMPACT SOUND INSULATION (IS):	$\Delta L_w = 18 \text{ dB}^{(1)}$	EPLF MMFA: superior performance	ISO 10140-3
Mechanic	 COMPRESSIVE STRENGTH (CS):	300 kPa (0,5 mm di deformazione)	CS3 class EPLF: superior performance	EN 826
	 COMPRESSIVE CREEP (CC)	> 50 kPa (max carico con def. < 0,5 mm in 10 anni)	CC3 class EPLF MMFA: superior performance	EN 1606
	 DYNAMIC LOAD (DL):	> 100.000 cicli (a 25 kPa)	DL3 class EPLF: superior performance	EN 13793
	 IMPACT RESISTANCE - LARGE BALL TEST (RLB):	< 600 mm (sotto 7 mm di laminato DPL)	RBL1 class	EN 13329
	 CONFORMABILITY (PC):	$\geq 0,5 \text{ mm}$	PC1	EN ISO 868
Thermo hygrometric	 THERMAL RESISTANCE (RT):	$R_t = 0,01 \text{ m}^2\text{K/W}$	$R_{\lambda,B} \leq 0,10 \text{ m}^2\text{K/W}$ cooling $R_{\lambda,B} \leq 0,15 \text{ m}^2\text{K/W}$ cooling	EN 12667
	 WATER VAPOUR RESISTANCE (SD):	$S_d = 150 \text{ m}$	method A @23°C from 0% to 50% relative humidity	EN 12086
	 REACTION TO FIRE CLASS:	$B_{fl-s_1}^{(2)}$		EN 13501-1
	 EMISSION OF VOLATILE ORGANIC COMPOUNDS:	VOC A+		ISO 16000-9

(1) CSI laboratory Test Report No. 0037\DC\ACU\13\2

(2) Istituto Giordano test report no. 381306

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	CE MARKING:	Harmonised standards for CE marking are NOT currently available for acoustic insulation products. This means that Isolmant products are currently NOT subject to CE marking, nor to the drawing up of a PDO (declaration of performance) or DDP (declaration of performance). 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.
	SIZE:	Rolls of: 1.0 m x 8.5 m (h x L) = 8.5 m ² After overlapping the sheets they should be sealed by means of Isolmant Nastro Alluminato.
	PACKAGE:	Cardboard boxes of 40 rolls (340 m ²)

ITEM SPECIFICATIONS

This resilient layer is made of HD thermally conductive viscoelastic material, coated with a PET aluminate film to prevent rising moisture (Isolmant Top Classic type). To be installed with the aluminate-coated side facing upwards. Reaction to fire class B_{fl}-s1. Nominal thickness 1.8 mm.



GREEN FEATURES OF ISOLMANT TOP CLASSIC

- **Volatile Organic Compounds free**
- (VOC A+).
- It has been awarded the **Blue Angel** German Ecolabel¹.
- **Free of plasticisers, asbestos, formaldehyde, halogens and heavy metals.**
- It is **solvent-free** and contains no other ozone-depleting substances.
- **The natural raw materials used do not compete with other food crops.**
- This product can be disposed of according to **EWC n. 170604.**

This product complies with the requirements defined by Italian CAM Edilizia for acoustic and thermal insulation materials regarding the percentage of recycled material and the absence of hazardous substances.

Green Planet is our sustainable development protocol that includes all our commitments to increase process, environmental, social and corporate responsibility. A set of sustainable actions, goals and behaviors in agreement with our mission, our ethical choices and the Sustainable Development Goals from 2030 Agenda.

PRODUCT AND PRODUCTION PROCESS SUSTAINABILITY








ENVIRONMENTAL SUSTAINABILITY

CORPORATE RESPONSIBILITY




SOCIAL RESPONSIBILITY

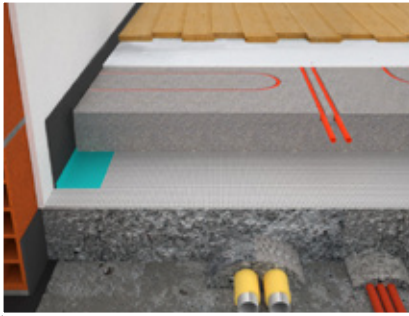
Find out more at [Isolmant.com](https://www.isolmant.com)

APPLICATION ADVANTAGES

-  Excellent acoustic insulation against both impact noise and reverberation noise (RWS).
-  Product designed for floating installation of parquet flooring.
-  Presence of aluminized PET film with vapor barrier function.
-  Extremely low thermal resistance.
-  Product designed for installation above radiant floors.
-  Fire reaction class B_{fl}-s₁.
-  High compressive strength (CS).

APPLICATION ADVANTAGES

-  Clean, dust-free cutting with a utility knife or cutter.
-  To be installed with the aluminum side facing up.
-  Joint sealing recommended using Isolmant Aluminum Tape.

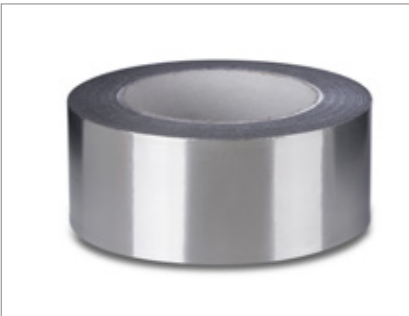


PREPARING THE SCREED

STEP 1

The surface where ISOLMANT TOP CLASSIC is installed should be load-bearing, flat, adequately even, clean and free from debris and oil. However, it will be the responsibility of the installer to assess the suitability of the surface for laying the sheets and the subsequent floating installation of laminates and parquet by carrying out some preliminary checks:

- External doors and windows must be installed with the relevant glass panes and the rooms to be paved must be protected from the weather.
- Other types of flooring must have already been laid.
- Masonry, installation of cladding and sanitary fixtures must be completed.
- The temperature of the rooms must be $\geq 15^{\circ}\text{C}$ room temperature must be $\geq 15^{\circ}\text{C}$.
- Room humidity must be between 45% and 60%.
- The condition of the substrate must have been checked and it must be compliant and suitable for laying the flooring.
- If there is a heating screed, the pre-heating cycle must have been carried out.



LAYING THE SHEETS

STEP 2

Lay the sheets with the aluminate side facing upwards (visible) side by side and carefully close together, taking care not to overlap them; tape the sheets together using Isolmant Nastro Alluminato to give continuity to the vapour barrier; cutting the sheets is easy and clean; it is advisable to use a multi-purpose knife or a box cutter.

LAYING OF WOODEN FLOORING

STEP 3

Installation should be carried out under proper temperature and moisture conditions and in compliance with the wooden flooring installation standard UNI 11265 2015. The sector's standards and regulations establish that the laying environment must guarantee environmental conditions within the values of max. RH 45%-60%, $^{\circ}\text{C}$ 18°C - 25°C , the necessary conditions for maintaining the correct wood/environment balance established by the reference European standard UNI EN 13489:18 (7%+2%). In addition, the screed on which the floor system is laid must have a humidity percentage of no more than $<2\%$ in the case of a screed/laying surface without a heating system, $<1.7\%$ in the case of underfloor heating.



WARNINGS:

* This data sheet does not constitute a specification and, if it consists of several pages, please ensure that you have consulted the complete document. Although, these instructions are the result of our best expertise they are indicative. The user should establish whether the product is suitable for its intended application. The user will be also in charge of all the responsibility for the use of the product itself.

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

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



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