



ESSENTIAL

line

ISOLMANT ST BLU

UNDER FLOORING INSULATION

Isolmant NPE medium-density polyethylene underlayment for laminate and parquet flooring.

WHAT IS ISOLMANT ST BLU

Resilient layer made of Isolmant medium-density polyethylene NPE.

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 ST Blu is designed specifically for the floating installation of laminate and parquet flooring. A high-quality system that reduces both impact and reflected noise. The product is also suitable for use with underfloor heating and cooling systems.



SUSTAINABLE



HEALTHY



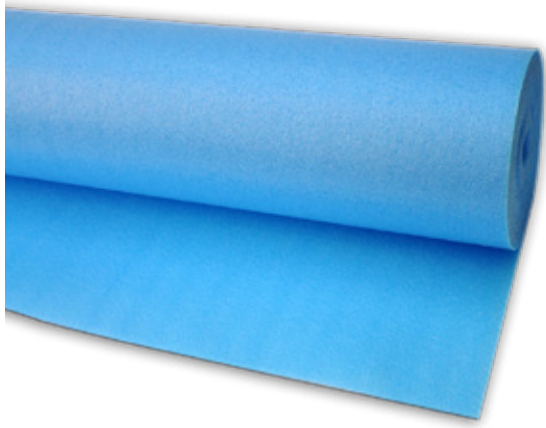
All our products bearing the “**Guaranteed Green Planet**” label are certified and comply with the sustainability criteria of the major environmental protocols. They are also certified according to the highest Italian and international standards.

ISOLMANT ST BLU > TECHNICAL SPECIFICATIONS | 1

		VALUE	ADDITIONAL INFORMATION	STANDARD
	NOMINAL THICKNESS:	2 mm		EN 823
Acoustic	 REFLECTED WALKING SOUND (RWS):	< 30 Sone		EN 16205
	 IMPACT SOUND INSULATION (IS):	$\Delta L_w = 19$ dB	EPLF MMFA: superior performance	ISO 10140-3
Mechanic	 COMPRESSIVE STRENGTH (CS):	20 kPa (0.5 mm deformation)	CS1 class	EN 826
	 COMPRESSIVE CREEP (CC)	< 20 kPa (max. load def. < 0.5 mm in 10 years)	CC1 class	EN 1606
	 DYNAMIC LOAD (DL):	< 50.000 cicli (a 25 kPa)	DL1 class	EN 13793
	 IMPACT RESISTANCE - LARGE BALL TEST (RLB):	1100 mm (under 7 mm of DPL laminate flooring)	RBL2 class	EN 13329
	 CONFORMABILITY (PC):	1.4 mm	PC2	EN ISO 868
Thermo hygrometric	 THERMAL RESISTANCE (RT):	$R_t = 0.048$ m²K/W	$R_{\lambda,B} \leq 0.10$ m²K/W cooling $R_{\lambda,B} \leq 0.15$ m²K/W cooling	EN 12667
	 WATER VAPOUR RESISTANCE (SD):	$S_d < 75$ m	method A @23°C from 0% to 50% relative humidity	EN 12086
	 REACTION TO FIRE CLASS:	E_{fl}		EN 13501-1
	 EMISSION OF VOLATILE ORGANIC COMPOUNDS:	VOC A+		ISO 16000-9
	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 15 m equal to 15 m²		
	 PACKAGE:	2 bags of 10 rolls (300 m²)		

ITEM SPECIFICATIONS

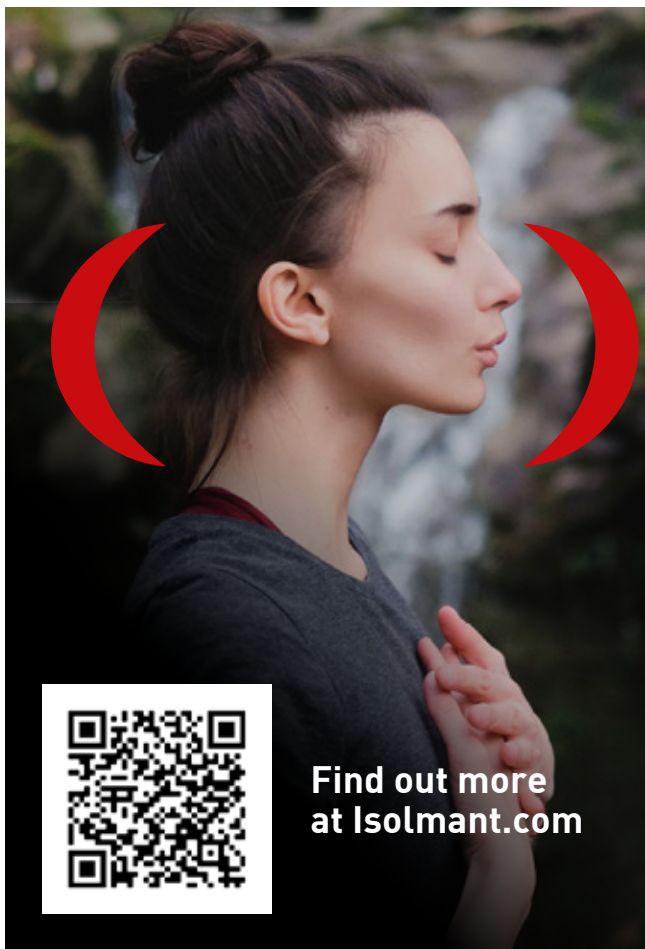
Resilient layer made of high density expanded NPE polyethylene (type Isolmant ST Blu). Density 50 kg/m³.
Nominal thickness 2 mm.




GREEN FEATURES OF ISOLMANT ST BLU

- **Volatile Organic Compounds free** (VOC A+)
- **It contains no plasticisers, asbestos, formaldehyde, halogens or heavy metals.**
- It is **solvent-free** and contains no other ozone-depleting substances.
- 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://isolmant.com)**

ADVANTAGES



Excellent acoustic insulation against both impact noise and reverberation noise (RWS).



Low thermal resistance.



Contact with water does not alter its performance and characteristics.



Unalterable over time with unlimited durability.



Resistant to mold or insects.

APPLICATION ADVANTAGES



Easy to install.



Clean, dust-free cutting with a utility knife or cutter.



PREPARING THE SCREED

STEP 1

The surface where Isolmant ST BLU is installed should be load-bearing, flat, adequately even, clean and free from debris and oil. However, installer is to assess the suitability of the surface for laying the sheets and the subsequent floating installation of laminate and wooden flooring by carrying out some preliminary checks:

- external doors and windows must be installed with the relevant glass panes and the rooms to be floored must be protected from the weather;
- other types of flooring must have already been laid;
- masonry, installation of cladding and sanitary fixtures must have been completed;
- the temperature of the rooms must be $\geq 15^{\circ}\text{C}$
- the ambient humidity must be between 45% and 60%;
- the conditions of the substrate must have been checked and it must be compliant and suitable for the laying of the flooring;
- in the case of a heating screed, the pre-heating cycle must have been carried out.

LAYING THE SHEETS

STEP 2

Installing the sheets side by side and carefully aligned, taking care not to overlap them; cutting the sheets is easy and clean: we recommend using a utility knife or box cutter.

INSTALLING WOODEN FLOORING

STEP 3

In particular, the wooden flooring must be installed a suitable temperature and humidity conditions, in strict compliance with the specifications for laying wooden floors. The sector's standards and regulations establish that the laying environment must guarantee environmental conditions within the values of max. RH 45%-60%, $T^{\circ}\text{C}$ 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 the 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.



Via dell'Industria 12, Località Francolino | 20074 Carpiano (MI)
Tel. +39 02 9885701 | Fax +39 02 98855702 | clienti@isolmant.it
isolmant.it | sistemapavimento.it | isolmant4you.it

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