PREMIUM line

ISOLMANT LVT PLUS

UNDERFLOOR INSULATION

Waterproof product specifically designed for the installation of LVT and SPC flooring. Covers grout lines.

WHAT IS ISOLMANT LVT PLUS

High-density resilient layer made of wood fiber and starch, waterproof and specifically designed for the installation of LVT and SPC flooring. To be installed with the printed side facing upward. Thickness 1.8 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 LVT Plus is specifically designed for the installation of parquet and other types of multilayer modular flooring (MMF) of suitable thickness on existing or uneven subfloors, while delivering excellent impact sound insulation. Its exceptionally high compressive strength helps preserve the integrity of the flooring's click-lock system. Made from natural materials through an ultra-low-impact production process, it is a 100% eco-friendly and sustainable solution. The product is also suitable for use with underfloor heating and cooling systems.

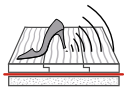
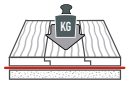
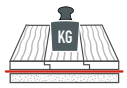
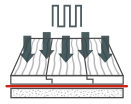
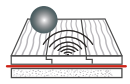
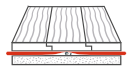
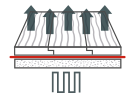
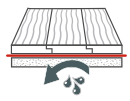
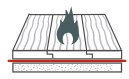
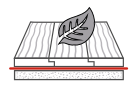
CAM MINIMUM ENVIRONMENTAL CRITERIA — SUSTAINABLE

VOC FREE — HEALTHY

ECOLOGICAL

GUARANTEED GREEN PLANET

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.

			VALUE	ADDITIONAL INFORMATION	STANDARD
		NOMINAL THICKNESS:	1,8 mm		EN 823
Acoustic		REFLECTED WALKING SOUND (RWS):	< 25 Sone	Superior performance	EN 16205
		IMPACT SOUND INSULATION (IS):	ΔL_w = 20 dB [1]	EPLF MMFA: superior performance	ISO 10140-3
Mechanic		COMPRESSIVE STRENGTH (CS):	992 kPa (0,5 mmdeformation)	CS2 class EPLF MMFA: superior performance	EN 826
		COMPRESSIVE CREEP (CC)	> 99 kPa (max. load def. < 0.5 mm in 10 years)	CC3 class EPLF MMFA: superior performance	EN 1606
		DYNAMIC LOAD (DL):	> 250.000 cycles (at 55 kPa) > 100.000 cycles (at 75 kPa)	DL3 class EPLF MMFA: superior performance	EN 13793
		IMPACT RESISTANCE - LARGE BALL TEST (RLB):	992 kPa (0,5 mm deformation)	RLB1 class	EN 13329
		CONFORMABILITY (PC):	> 0,5 mm	PC1	EN ISO 868
Thermo hygrometric		THERMAL RESISTANCE (RT):	R_t = 0,034 m²K/W	$R_{\lambda,B} \leq$ 0,10 m²K/W cooling $R_{\lambda,B} \leq$ 0,15 m²K/W heating	EN 12664
		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+ [2]		ISO 16000-9

(1) SG-Bauakustik Report No. 1524-001-14 dated 20/11/2014

(2) EPH Test Report No. 2516237 18/05/2016

	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:	0.79 m x 0.42 m sheets - 17 sheets per pack equals to 7.18 m^2
	PACKAGE:	Pallets of 30 packs (215.40 m^2)

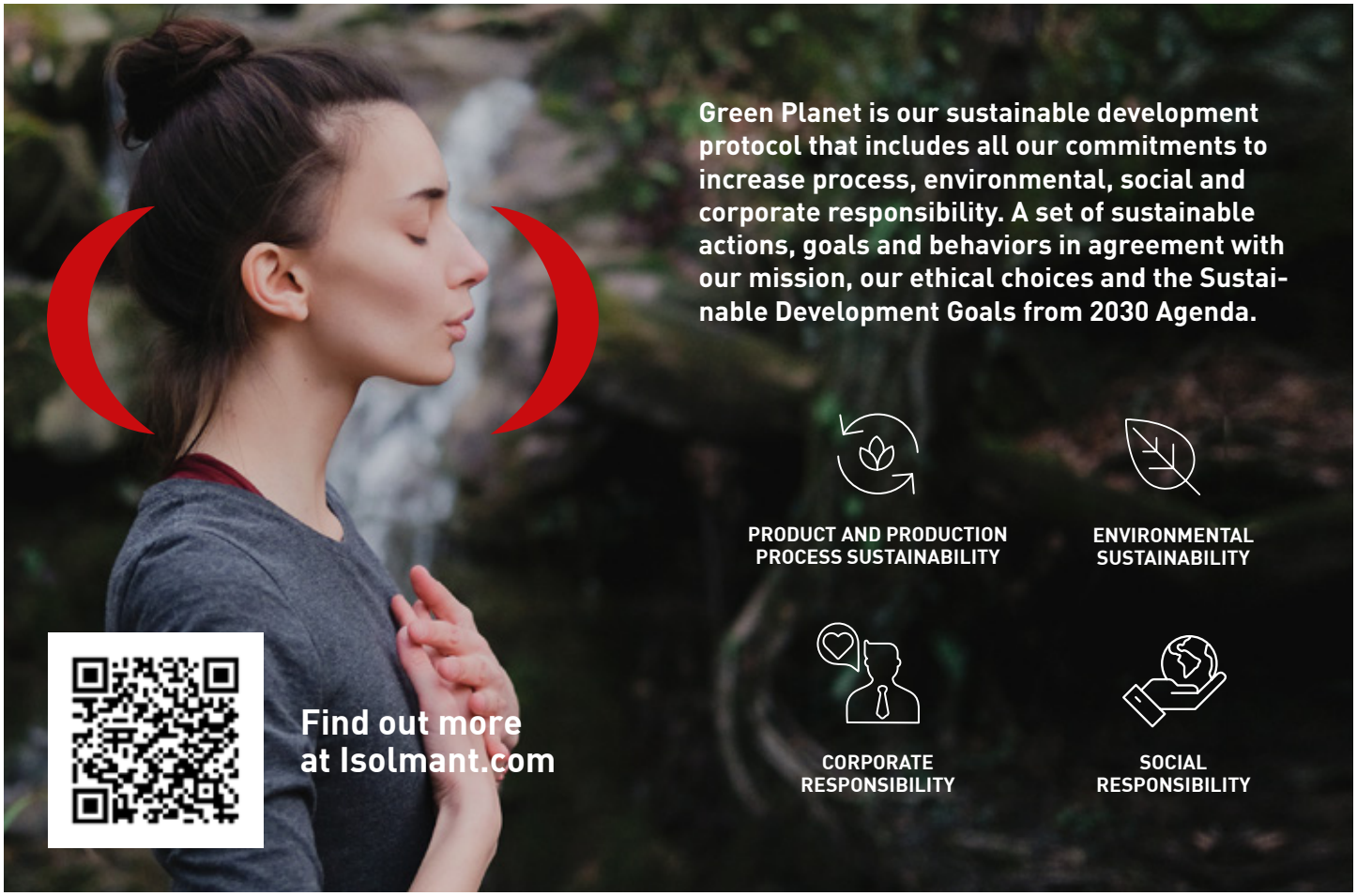
ITEM SPECIFICATIONS

The acoustic resilient layer is made of waterproof HD wooden fibre with anti-slip side (Isoldrum LVT Plus type). To be installed with the anti-slip side facing upwards. Nominal thickness 1.8 mm.

GREEN FEATURES OF ISOLMANT ISOLDRUM LVT PLUS

- **Volatile Organic Compounds free** (VOC A+)
- **Manufactured with low environmental impact**.
- **It contains no plasticisers, asbestos, formaldehyde, halogens or heavy metals.**

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



ADVANTAGES

It significantly improves sound insulation against both impact and reverberation noise (RWS).

It allows LVT and SPC flooring to be installed even on unlevelled surfaces.

Suitable for use in all settings, including residential and commercial environments.

Its low thickness eliminates the need for changes to existing floor elevations.

Low thermal resistance (making it suitable for use with underfloor heating systems, even when installed beneath the flooring).

APPLICATION ADVANTAGES

Isolmant LVT Plus is also particularly quick and easy to install.

No special tools are required—just a utility knife and tape.

It covers the joints of existing ceramic flooring without the need for levelling compounds.

It protects click-lock flooring even when installed over existing floors.

PREPARING THE SCREED

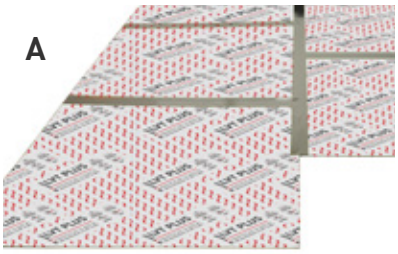
STEP 1

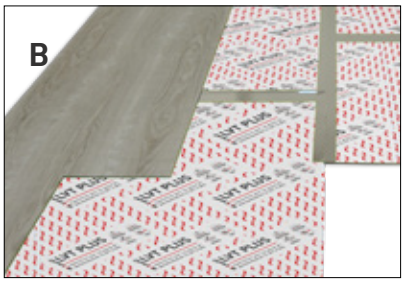
The installation of Isolmant LVT Plus must be carried out on an even, clean, free of debris or oils surface. Nevertheless, the tiler will assess the suitability of the surface when laying glue and sheets.

STEP 2

INSTALLING THE UNDERLAY

The sheets of Isolmant LVT Plus should be placed without overlapping each other and taking care to leave an offset between them. Then, the sheets must be taped by means of Isolmant Nastro Alluminato. The green anti-slip side should be facing upwards (Figure 1). It is advisable to lay the sheet at about 10 mm from the side walls and door sills. The underlay exceeding surface can be cut with a cutter and easily reused by connecting them with the tape.





INSTALLING THE FLOORING

STEP 3

The flooring can be floating, taking care to lay it at an angle of 90 ° with respect to the underlay (Figure 2).

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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