



ISOLMANT ISOLDRUM N

UNDER FLOORING INSULATION

Ultra-thin (only 1 mm), high-density product for wooden flooring, laminate and lvt floating installation.

WHAT IS ISOLMANT ISOLDRUM N?

Resilient layer made of second-generation Isolmant Special polyethylene with embossed and screen-printed upper side. This product is featured by a better and calibrated quality of the polyethylene cellulation. Thanks to its intrinsic quality and physical properties, this product ensures long-term performance. An "entry level" product in the Isolmant range IsolDrum, it improves insulation performance against impact noise and RWS reverberation noise when used for floating installation of wooden and laminate flooring.

SPECIFIC APPLICATIONS

Isolmant IsolDrum N is specifically designed for floating installation of laminate flooring, wooden flooring and other types of hard flooring of suitable thickness. A high quality system to reduce impact and reflected sound. Isolmant IsolDrum N has been developed to protect the interlocking devices of these floors even when subjected to high loads thanks to its high compressive strength (CS). Isolmant IsolDrum N is specifically recommended in case of underfloor heating systems. Check: R_f (Flooring + underlay) $\leq 0,15 \text{ m}^2\text{K/W}$.



www.blauer-engel.de/112156



SUSTAINABLE



HEALTHY








GREEN FEATURES OF ISOLMANT ISOLDRUM N

- Volatile Organic Compounds free (VOC A+)
- Blue Angel certified product (European eco-label certification).
- **It contains no plasticisers, asbestos, formaldehyde, halogens or heavy metals.**
- It is solvent-free and contains no other ozone-depleting substances.

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.

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PRODUCT AND PRODUCTION PROCESS SUSTAINABILITY
- 
ENVIRONMENTAL SUSTAINABILITY
- 
CORPORATE RESPONSIBILITY
- 
SOCIAL RESPONSIBILITY



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



ADVANTAGES

- Excellent insulation against impact noise and reverberation noise (RWS).
- Minimum thickness.
- Low thermal resistance.
- High compressive strength (CS).

INSTALLATION ADVANTAGES

- Easy, dust-free cutting using a utility knife or box cutter.
- To be laid with the screen-printed side up.

ISOLMANT ISOLDRUM N > TECHNICAL SPECIFICATIONS

> To be positioned with the screen printed fabric facing upwards.

NOMINAL THICKNESS:	1 mm
IMPACT SOUND INSULATION (RWS):	23 sone
REFLECTED WALKING SOUND INSULATION:	$\Delta L_w = 19 \text{ dB}^{(1)}$
COMPRESSIVE STRENGTH (CS):	110 kPa (0.5 mm deformation)
COMPRESSIVE CREEP (CC):	30 kPa (max. load def. < 0.5 mm in 10 years)
DYNAMIC LOAD (DL):	> 10000 cycles (at 25 kPa)
IMPACT RESISTANCE - LARGE BALL TEST:	650 mm (under 7 mm of DPL laminate flooring)
THERMAL RESISTANCE:	$R_t = 0.032 \text{ m}^2\text{K/W}$
WATER VAPOUR RESISTANCE - S_d (WVTV):	$S_d = < 40 \text{ m}$
EMISSION OF VOLATILE ORGANIC COMPOUNDS:	VOC A+ ⁽²⁾
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 20 m equal to 20 m ²
PACKAGE:	Paper boxes of 35 rolls m ²

(1) Rapporto di prova laboratorio MFPA n. P 4.2/08-208-7

(2) Rapporto di prova Istituto Giordano n. 376851

VOCE DI CAPITOLATO

Strato resiliente in polietilene reticolato, espanso a celle chiuse di seconda generazione per una distribuzione uniforme della prestazione e con elevata resistenza a compressione nel tempo (tipo Isolmant IsolDrum N). Da posizionare con il lato goffrato e serigrafato a vista. Densità 67 kg/m³. Spessore nominale 1 mm.



PREPARING THE SCREED

STEP 1

The surface where Isolmant Isoldrum N will be laid 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 wooden floorings 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 severe weather conditions;
- other types of flooring already in place;
- 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

Lay the sheets with the screen-printed side facing upwards (visible), 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.

LAYING OF WOODEN FLOORING

STEP 3

In particular, the wooden flooring must be laid in suitable temperature and humidity conditions, in strict compliance with the specifications for laying wooden floors. The sector's standards and regulations establish that the installation environment must guarantee environmental conditions within the values of max. RH 45%-60%, $T^{\circ}\text{C}$ 18°C - 25°C, the necessary conditions to keep a proper wood/environment balance as provided by UNI EN 13489:18 (7%+2%). In addition, the screed on which the flooring 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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