



# ISOLMANT ISOLDRUM HD RED

## UNDER FLOORING INSULATION

High density product specific for the acoustic insulation of floating floorings.

### WHAT IS ISOLMANT ISOLDRUM HD RED?

High Density Polyethylene Isolmant resilient layer coated by a high vapour resistance PE film. The product comes with adhesive fabric to connect and seal the sheets. To be installed with the red PE transparent film facing upwards.

### SPECIFIC APPLICATIONS

Isolmant IsolDrum HD is designed specifically for floating installation of laminate and wooden flooring. A high quality system to reduce impact and reflected noise. Isolmant IsolDrum HD has been developed to protect these floorings even in the presence of residual or rising damp from the underlying layers.

This product is also suitable for hot water underfloor heating. Check  $R_t$  (flooring+ underlay)  $\leq 0,15 \text{ m}^2\text{K/W}$ .



SUSTAINABLE



HEALTHY



## GREEN FEATURES OF ISOLMANT ISOLDRUM HD RED

- 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 impact noise and reverberation noise insulation (RWS).
- Low thermal resistance.
- Vapour barrier with adhesive selfedge  $S_d > 100\text{m}$ .

### SPECIFIC APPLICATIONS

- Easy and dust-free cutting using a utility knife or box cutter.
- Adhesive overlapping flaps to facilitate overlapping and sealing of sheets.
- To be laid with the red PE film facing upwards.

## ISOLMANT ISOLDRUM HD RED > TECHNICAL SPECIFICATIONS

> To be installed with the red PE transparent film facing upwards.

NOMINAL THICKNESS:	2 mm
IMPACT SOUND INSULATION (RWS):	22 sone
REFLECTED WALKING SOUND INSULATION:	$\Delta L_w = 20 \text{ dB}^{(1)}$
COMPRESSIVE STRENGTH (CS):	60 kPa (0.5 mm deformation)
COMPRESSIVE CREEP (CC):	15 kPa (max. load def. < 0.5 mm in 10 years)
DYNAMIC LOAD (DL):	< 100000 cycles (at 25 kPa)
IMPACT RESISTANCE - LARGE BALL TEST:	1.000 mm (under 7 mm of DPL laminate flooring)
THERMAL RESISTANCE:	$R_t = 0.049 \text{ m}^2\text{K/W}$
WATER VAPOUR RESISTANCE - $S_d$ (WVTV):	$S_d = > 100 \text{ m}^{(2)}$
EMISSION OF VOLATILE ORGANIC COMPOUNDS:	VOC A+ <sup>(3)</sup>
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 m <sup>2</sup>
PACKAGE:	Paper boxes of 20 rolls (300 m <sup>2</sup> )

<sup>(1)</sup> ITA Test Report No 0109b.13-P 159/12

<sup>(2)</sup> MPA NRW test report no. 220011527

<sup>(3)</sup> Istituto Giordano test report no. 376851

## ITEM SPECIFICATIONS

Resilient layer made of Isolmant high density polyethylene coated by PE film that acts as a vapour barrier (Isolmant Isol-Drum HD Red type). Its film flap overlaps the underlay edge for about 10 cm to allow the connection between sheets. To be installed with the red PE transparent film facing upwards. Nominal thickness 2 mm.



### PREPARING THE SCREED

### STEP 1

The surface where ISOLMANT IsolDrum HD Red 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 floored must be protected from severe weather conditions;
- other types of flooring must have already been laid;
- masonry, installation of cladding and sanitary fixtures must have been completed;
- temperature of the rooms must be  $\geq 15^{\circ}\text{C}$
- 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 installation required;
- 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 transparent PE film facing upwards (visible), side by side and neatly overlapping, use the adhesive overlapping flap to overlap by approximately 10 cm and seal with the embedded adhesive tape; cutting the sheets is easy and clean, we recommend using a utility knife or a box cutter.

### FLOATING INSTALLATION

### STEP 3

In particular, a wooden flooring system should be installed under suitable temperature and humidity conditions, in compliance with relevant installation standards. 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 as proved by 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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