

# ISOLMANT ISOLDRUM ST BLU

## UNDER FLOORING INSULATION

ISOLMANT HIGH DENSITY POLYETHYLENE UNDERLAY SUITABLE FOR WOODEN OR LAMINATE FLOORING.

### WHAT IS ISOLMANT ISOLDRUM ST BLU?

High Density NPE Polyethylene Layer.

### SPECIFIC APPLICATIONS

Isolmant ST Blu is designed specifically for floating installation of laminate and wooden flooring. A high quality system to reduce impact and reflected noise. This product is also suitable for installations with underfloor heating systems. Check  $R_t$  (flooring + underlay)  $\leq 0.15 \text{ m}^2\text{K/W}$ .

### ADVANTAGES

- Excellent sound insulation against impact noise and reverberation noise (RWS).
- Low thermal resistance.

### SPECIFIC APPLICATIONS

- Easy and dust-free cutting using a utility knife or box cutter.

#### ISOLMANT Green Planet

- Volatile Organic Compounds free (VOC A+).
- Free of plasticisers, asbestos, formaldehyde, halogens and heavy metals
- It is solvent-free and contains no other ozone-depleting substances.
- This product can be disposed according to EWC n. 170604.



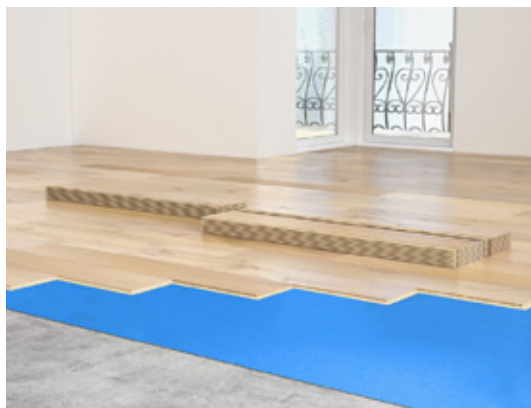
HEALTHY

## ISOLMANT ISOLDRUM ST BLU TECHNICAL SPECIFICATIONS

NOMINAL THICKNESS:	2 mm
IMPACT SOUND INSULATION (RWS):	< 30 sone
IMPACT SOUND INSULATION:	$\Delta L_w = 19$ dB
COMPRESSIVE STRENGTH (CS):	20 kPa (0.5 mm deformation)
COMPRESSIVE CREEP (CC):	< 20 kPa (max. load def. < 0.5 mm in 10 years)
DYNAMIC LOAD (DL):	< 50.000 cycles (at 25 kPa)
IMPACT RESISTANCE - LARGE BALL TEST:	1.100 mm (under 7 mm of DPL laminate flooring)
THERMAL RESISTANCE:	$R_t = 0.060$ m <sup>2</sup> K/W
WATER VAPOUR RESISTANCE - $S_d$ (WVTV):	$S_d < 75$ m
CE MARKING:	<p>Harmonised standards for CE marking are NOT currently available for acoustic insulation products.</p> <p>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.</p>
SIZE:	Rolls of: 1.0 m x 15 m equal to 15 m <sup>2</sup>
PACKAGE:	2 of 10 rolls (300 m <sup>2</sup> )

## ITEM SPECIFICATIONS

Resilient layer made of high density expanded NPE polyethylene (type Isolmant IsolDrum ST Blu). Density 50 kg/m<sup>3</sup>. Nominal thickness 2 mm.



1

**Preparing the screed.** The surface where ISOLMANT Isoldrum 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.

2

**Laying the sheets.** 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.

3

Installing wooden flooring. 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%,  $T^{\circ}\text{C}$   $18^{\circ}\text{C} - 25^{\circ}\text{C}$ , 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.

# isolmant



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