



ISOLMANT ISOLDRUM SPORT

UNDER FLOORING INSULATION

HD product specific for sports floorings. Easy to install, shock absorbing product that can be incorporated into horizontal composite flooring systems.

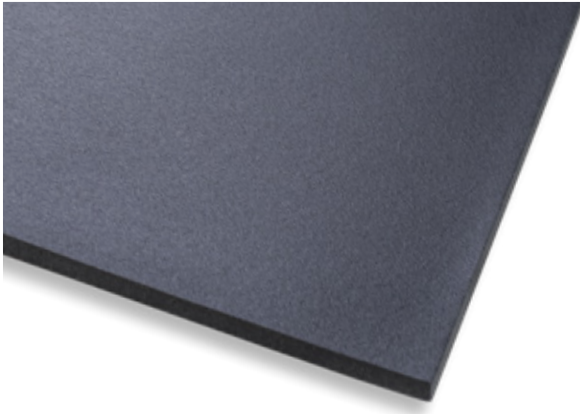
WHAT IS ISOLMANT ISOLDRUM SPORT?

HD Isolmant underlay (approx. 70 kg/m³), for special applications: its special elasticity allows this product to absorb shocks under various types of vinyl flooring, PVC, linoleum, carpets, wooden flooring that are used in sports floorings.

SPECIFIC APPLICATIONS

IsolDrum Sport can be used in the construction of sports floorings where shock absorption is required. It can be used with wooden flooring, laminate and other floor coverings. It can be installed in floating mode or within composite systems depending on the project.





GREEN FEATURES OF ISOLMANT ISOLDRUM SPORT

- **Volatile Organic Compounds free** (VOC A+).
- Manufactured with **low environmental impact**.
- **It contributes to achieve credits for the environmental certification of a building according to LEED or ITACA standards.**
- This product can be disposed of according to **EWC n. 170604**.

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.

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://www.isolmant.com)



ADVANTAGES

- Good “in situ” impact sound insulation.
- It gives greater elasticity to all sports floorings.
- Suitable for special site requirements where greater compressive strength is required.
- Unalterable over time.
- Unlimited duration.
- Contact with water does not compromise performance or characteristics.
- Resistant to mould or insects.

INSTALLATION ADVANTAGES

- Easy to lay.
- Easy and dust-free cutting using a utility knife or box cutter.
- Large format sheets for faster coverage of large spaces such as gyms.

ISOLMANT ISOLDRUM SPORT > TECHNICAL SPECIFICATIONS

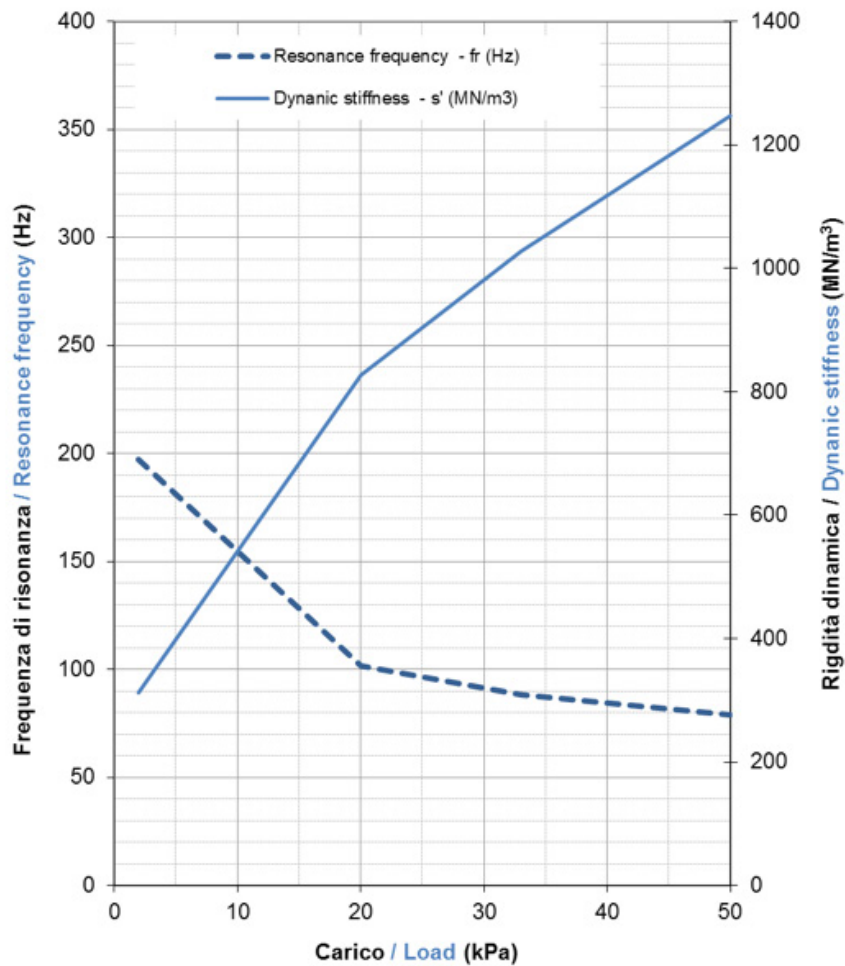
NOMINAL THICKNESS:	6 mm
DENSITY:	Approx. 70 kg/m ³
COMPRESSIVE STRENGTH:	deformation 10%: 85 kPa deformation 25%: 120 kPa deformation 50%: 185 kPa
RESIDUAL DEFORMATION:	0.5 h after discharge, 23°C: 8% 24 h after discharge, 23°C: 3% after a 22h load and 25% deformation
THERMAL CONDUCTIVITY:	$\lambda = 0.043 \text{ W/mK}$
THERMAL RESISTANCE:	$R_t = 0.140 \text{ m}^2\text{K/W}$
SPECIFIC HEAT CAPACITY:	$c = 2100 \text{ J/kgK}$
VAPOUR RESISTANCE:	$\mu = 6700$
EQUIVALENT AIR LAYER THICKNESS:	$S_d = 40 \text{ m}$
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 1.5 m x 50 m equal to 75 m ²
PACKAGE:	4 loose rolls = (300 m ²)

ITEM SPECIFICATIONS

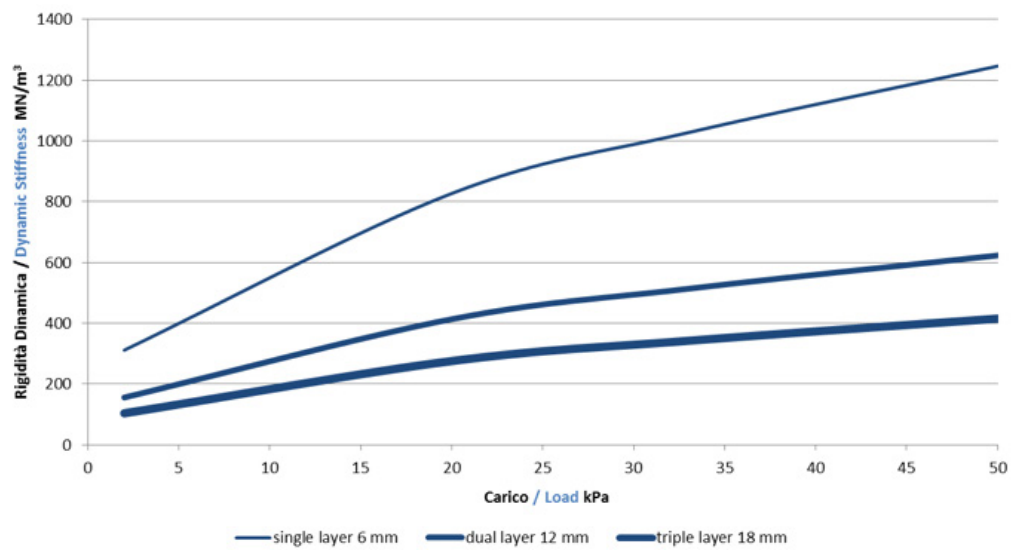
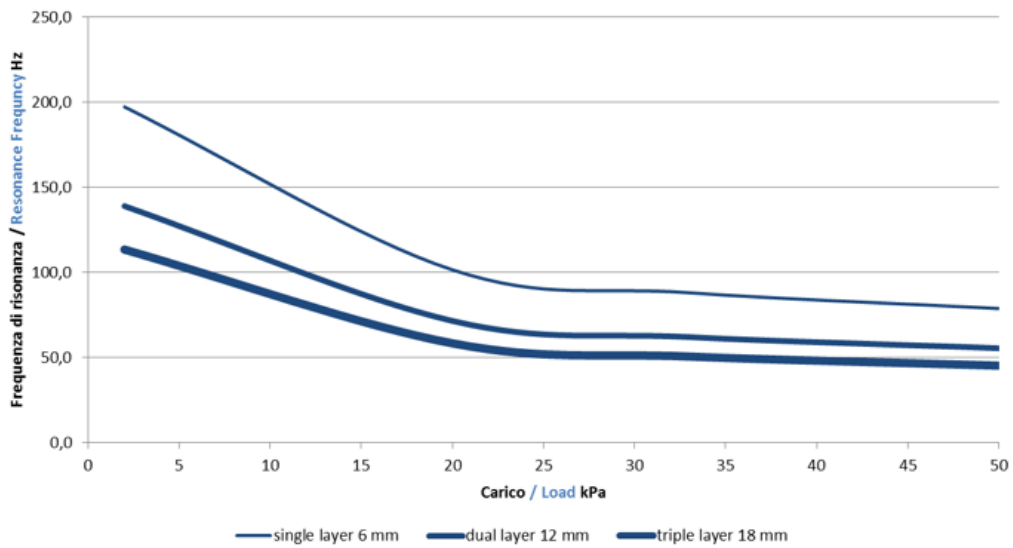
The resilient layer is made of second-generation reticulated expanded closed-cell polyethylene. This product ensures an even performance and high compressive strength over the time (Isolmant IsolDrum Sport type). Nominal Thickness 6 mm, density 70 kg/m³. 10% compressive deformation with 85 kPa. 3% residual deflection after 24 h (after 22 h loading at 25% deflection).

Variation in resonance frequency and dynamic stiffness as a function of load.

	Load		resonance frequency	DYNAMIC STIFFNESS
kPa	kg/cm ²	kg/sample	Hz	MN/m ³
2	0,020	8,2	197,4	312
20	0,204	81,6	101,7	827
33	0,337	134,6	88,2	1028
50	0,510	203,9	78,9	1247



Variation in resonance frequency and dynamic stiffness as a function of load, for different layers of Isolmant Isoldrum Sport.





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.



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

Isolmant is a TECNASFALTI srl's registered trademark - © TECNASFALTI - All rights reserved - Copying, even partially, is forbidden - In force since July 2022 - This document supersedes and replaces all previous versions.