



ISOLMANT SPECIAL SWISS

UNDERSCREED INSULATION

Essential product specific for underscreed impact sound in double layer solutions with finishing value ranging between ≥ 4 .

WHAT IS ISOLMANT SPECIAL?

Resilient layer in second-generation Isolmant polyethylene with embossed and screen-printed upper side, 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. It provides excellent impact sound and airborne insulation for horizontal partitions.

SPECIFIC APPLICATIONS

Isolmant Special Swiss is specific for floating screeds as provided by UNI 11516:2013 standards with any type of slab. This product is recommended for applications under a finishing screed (double layer solution), it requires a finishing screed at least 4 cm thick. In case of disjointing a floating screed from perimeter walls, it is recommended not to turn Isolmant Special Swiss upside down but to use Isolmant Fascia Perimetrale.

Install Isolmant Special Swiss with the embossed and screen-printed side facing upwards.



www.blauer-engel.de/uz156



SUSTAINABLE



HEALTHY



All our products with the "Guaranteed Green Planet" logo are compliant with the sustainability criteria of the most important environmental protocols and certified according to the major national and international standards.

GREEN FEATURES OF ISOLMANT SPECIAL SWISS

- **Volatile Organic Compounds free**(VOC A+).
- German Eco-label certification **Blue Angel**.
- Manufactured with low environmental impact.
- 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.
- Complies with the requirements defined by the Italian CAM Edilizia for acoustic and thermal insulation materials regarding the request for high acoustic insulation performance, the percentage of recycled material and the absence of hazardous substances.

Isolmant Special Swiss meets the sustainability criteria of the main environmental protocols as shown in the following table:

CAM	✓
ITACA	✓
WELL	✓
BREEAM	✓
LEED	✓

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

- Excellent acoustic impact sound and airborne insulation.
- Suitable for use in both renovation and new construction.
- For special building needs where increased strength is required, it is available on request with a special anti-tearing protective fabric.
- Low thermal conductivity.
- Unalterable over time.
- Unlimited durability.
- Contact with water does not affect performance or characteristics.
- Impervious to mould or insects.

ADVANTAGES FOR INSTALLATION

- Easy to lay product.
- Easy to trim: can be easily cut with a utility knife or box cutter.

ISOLMANT SPECIAL SWISS > TECHNICAL SPECIFICATIONS

> To be installed with the Isolmant embossed and screen-printed side facing upwards.

NOMINAL THICKNESS:	5 mm
DYNAMIC STIFFNESS:	$s'_t = s' = 33 \text{ MN/m}^3$ ⁽¹⁾
IMPACT SOUND INSULATION:	$\Delta L_w = 26 \text{ dB}$
"IN SITU" IMPACT SOUND INSULATION:	$L'_{n,w} = 59 \text{ dB}$ ⁽²⁾
COMPRESSION CLASS:	CP2 ⁽³⁾
CONDUCTIVITY:	$\lambda = 0.035 \text{ W/mK}$
THERMAL RESISTANCE:	$R_t = 0.142 \text{ m}^2\text{K/W}$
SPECIFIC HEAT CAPACITY:	$c = 2100 \text{ J/kgK}$
REACTION TO FIRE:	Satisfies DIN 4102-B2
VAPOUR RESISTANCE:	$\mu = 3600$
EMISSION OF VOLATILE ORGANIC COMPOUNDS:	VOC A+ ⁽⁴⁾ Etichetta ecologica Blue Angel ⁽⁵⁾

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: 1.50 m x 50 m (h x L) = 75 m ²
	After overlapping the sheets they should be sealed by means of Isolmant Fascia Nastro o Isolmant Nastro Telato.

PACKAGE:

Single rolls

(1) Istituto Giordano test report no. 397863

(2) Value measured on site

(3) Test Report No. 1009_1409

(4) Istituto Giordano test report no. 376851

(5) Refer to Ecolabel VZ165

ITEM SPECIFICATIONS

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 Special Swiss type). To be installed with the embossed and screen-printed side facing upwards. Dynamic stiffness 33 MN/m³.



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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