

ISOLMANT TELOGOMMA E+45

MASSIVE PRODUCTS

Sandwiched product specific for lightweight slabs requiring mass component

WHAT IS ISOLMANT TELOGOMMA E+45?

Product composed of the new elastic-dynamic compound mass of Isolmant Telogomma Classic laminated on both sides by Isolmant Special by second generation, characterized by improved and calibrated quality of the polyethylene cells. Total thickness 8mm.

SPECIFIC APPLICATIONS

Isolmant Telogomma E+45 is particularly suitable for the acoustic insulation of wooden flooring or floorings with low specific weight. Thanks to its intrinsic structure, this product combines excellent impact sound insulation provided by the Isolmant polyethylene layer with good insulation against airborne noise thanks to its considerable mass, given by the Isolmant Telogomma Classic central layer. It is malleable and this feature makes this product easy to install even on non-planar surfaces.

MASS SYSTEM

The "mass-spring-mass" principle, on the basis of which effective acoustic systems are created in the construction sector, has demonstrated limitations over the years especially in the presence of extremely light or weak structures. This is due to the fact that in the prediction formulas the mass of the structure is the most important variable but it is not the only parameter to take into consideration, in fact, as the masses decrease, the gap between forecast calculations and reality also increases. This has prompted the market, in order to avoid these uncomfortable limits, to search for acoustic products with massive characteristics as the only feature.

On the contrary, the numerous researches carried out and the on-site experience have shown us that optimal results are not obtained only adding mass but finding the right combination of mass and elasticity.

The study for the development of the new Telogomma sector focused precisely on finding the optimal ratio between elasticity and mass of the new compound that can lead to the best acoustic comfort in all those structures where the main problem is the lack of mass. Discover all the curiosities of the Mass System on our website.



ADVANTAGES

- High soundproofing and impact insulation capacity.
- Very flexible.
- Inalterable over time.

INSTALLATION ADVANTAGES

- Easy to install thanks to its conformability.

ISOLMANT TELOGOMMA E+45 > TECHNICAL SPECIFICATIONS

NOMINAL THICKNESS:	8 mm
WEIGHT:	3.6 kg/m ²
SOUND INSULATION:	R _w = 29 dB ⁽¹⁾
IMPACT SOUND INSULATION:	ΔL _w = 24 dB ⁽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 m x 3 m (h x L) = 3 m ²
PACKAGE:	Pallet of 20 rolls equal to 60 m ²

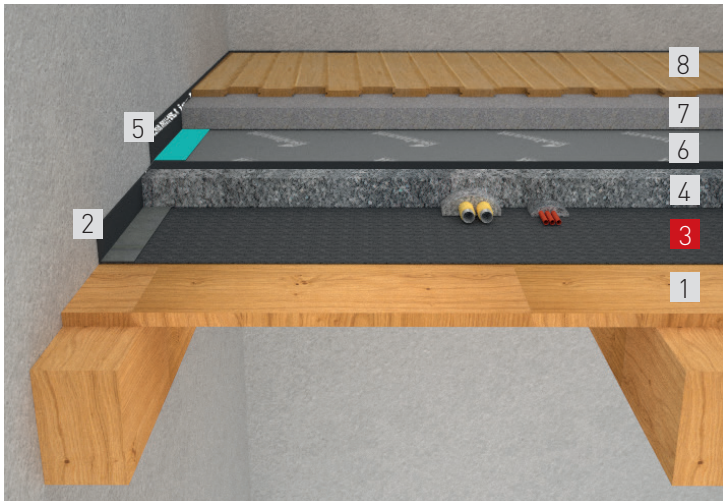
The values in this table, not certified by an accredited laboratory, refer to the effective average value measured during production with a tolerance of 5%

(1) S.C.S. Report No. 052_06. - Transmission Loss test for normal incidence of Isolmant Telogomma

(2) CSI REPORT No. 0030/DC/ACU/02

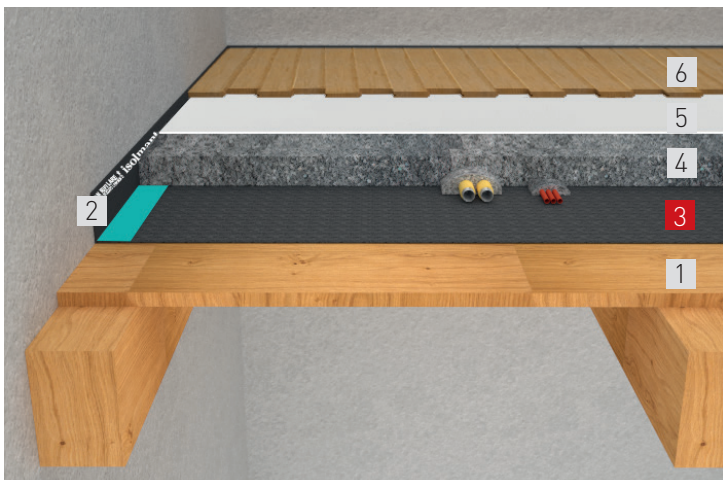
ITEM SPECIFICATIONS

Heavy layer elasto-dynamic covering based on special compound EPDM rubber with mineral fillers bitumen and halogen free, nominal thickness 2 mm, surface density 4 kg/m² joined on both sides to 3mm physically reticulated expanded closed-cell Isolmant polyethylene (Isolmant Telogomma E+45 type). Nominal thickness 8 mm.



DOUBLE-LAYER LIGHT SLABS INSULATION

1. Wooden slab
2. *Isolmant Fascia Perimetrale Tecnica Reticolata*
3. **Isolmant Telogomma E+45**
4. Levelling screed
5. *Isolmant Fascia Perimetrale Doppio Spessore*
6. *Isolmant UnderSpecial*
7. Finishing screed
8. Flooring



LIGHTWEIGHT SINGLE-LAYER SLAB INSULATION

1. Wooden slab
2. *Isolmant Fascia Perimetrale Tecnica Reticolata*
3. **Isolmant Telogomma E+45**
4. Finishing screed
5. *Isolmant Parquet*
6. Wooden flooring



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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