



ISOLMANT CEMENTO ARMATO

HEAVY LAYER PRODUCTS

PRODUCT SPECIFIC FOR AC STRUCTURES COATING

WHAT IS ISOLMANT CEMENTO ARMATO?

Product made of Isolmant cross-linked, expanded closed-cell, second-generation polyethylene foam, bonded on one side, characterised by an improved and calibrated quality of the polyethylene cell. Thanks to its intrinsic quality and physical properties, this product ensures long-term performance. 5 mm and 10 mm thicknesses available.

SPECIFIC APPLICATIONS

Isolmant Cemento Armato is particularly suitable to damp the vibrations of reinforced concrete structural elements such as, for example, stairwells, lift shafts, beams, columns and partitions.

ADVANTAGES

- It can be used both in renovation and in new buildings.
- Low thermal conductivity.
- Unalterable over time.
- Unlimited duration.
- Contact with water does not compromise performance or characteristics.
- Resistant to mould or insects.

INSTALLATION

- Easy to lay.
- Adhesive on one side (the adhesive only serves the function of positioning the material).
- Easy to trim: can be easily cut with a utility knife or cutter.

ISOLMANT CEMENTO ARMATO TECHNICAL SPECIFICATIONS

NOMINAL THICKNESS:	5 mm	10 mm
THERMAL CONDUCTIVITY:	$\lambda = 0.035 \text{ W/mK}$	
THERMAL RESISTANCE:	$R_t = 0.142 \text{ m}^2\text{K/W}$	$R_t = 0.284 \text{ m}^2\text{K/W}$
VAPOUR RESISTANCE:	$\mu = 3600 \text{ W/mK}$	
AIR LAYER THICKNESS EQUIVALENT:	$s_d = 18 \text{ m}$	$s_d = 36 \text{ m}$
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 1.50 m x 100 m (h x L) = 150 m ²	Rolls of 1.20 m x 60 m (h x L) = 72 m ²

ITEM SPECIFICATIONS

Resilient layer is made of reticulated expanded closed-cell polyethylene on one side (Isolmant Cemento Armato type). Density 30 kg/m³. 5 mm or 10 mm nominal thickness

ISOLMANT CEMENTO ARMATO INSTALLATION



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Disjointing of reinforced concrete structures. In the presence of stairwells, elevator compartments and pillars (even if contained within the vertical partitions) that rigidly connect all the structural elements from the foundations to the last slab it is necessary to cover them with elastic material (such as Isolmant Cemento Armato). Once the structure has been revised with Isolmant Cemento Armato to be laid with the adhesive side towards the structure to be insulated and its subsequent mechanical fastening, in order to guarantee adhesion over time, it is necessary to provide the subsequent finishing, where possible, with a 4/5 cm board or with coated plaster panels. With a reduced thickness element, it is possible to fix a strong plaster-holding mesh directly on Isolmant Cemento Armato with nylon plugs, and then plaster it over, paying particular attention to the cracks.

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.

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