



ISOLMANT ISOLGYPSUM GOMMA XL

WALL INSULATION WITH PLASTERBOARD

PLASTERBOARD LAMINATE PANEL THAT GUARANTEES A HIGH COUNTERWEIGHT

WHAT IS SOLMANT ISOLGYPSUM XL

Product made of a coated plasterboard (12.5 mm thick) joined to a grooved rubber layer with 14 kg/m² surface density and 20 mm thickness. Total thickness 32.5 mm.

SPECIFIC APPLICATIONS

Isolmant IsolGypsum Gomma XL is a specific product for the acoustic renovation of vertical partitions, particularly in applications where a mass contribution is required to increase the soundproofing power of the partition. The structure of the highly elastodynamic rubber and its original grooved finish increase both the acoustic performance of the product, giving it high performance over time, and its adhesion to the wall, giving the adhesive greater grip.

ADVANTAGES

- It can be used both in renovation and in new buildings;
- High airborne acoustic insulation;
- Unalterable over time;
- Unlimited duration;
- Contact with water does not compromise performance or characteristics;
- Resistant to mould or insects;

SPECIFIC APPLICATIONS

- Easy to install using cement-based glue.

NOMINAL THICKNESS:	32.5 mm
WEIGHT:	24 kg/m ²
PERCEIVED ACOUSTIC IMPROVEMENT:	ΔR_w from 11 dB to 22 dB depending on the construction system being clad
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 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:	Plasters of 1.20 m x 2.00 m = 2.40 m ²
PACKAGE:	Pallets of 10 plasters (total area 24 m ²)

ITEM SPECIFICATIONS

Insulation layer consisting of a plaster of coated gypsum bonded to a layer of rubber (surface mass 14 kg/m² in 20 mm thickness) (type IsolGypsum Gomma XL). Weight approx. 24 kg/m². Nominal thickness 32.5 mm.

1

Preparing the substrate. IsolGypsum Gomma XL may only be glued to walls that are free of dust, grease and moisture. In the case of very porous surfaces, e.g. exposed masonry, it is advisable to wet the wall surface or to apply a coat of water-dispersion resin treatment to prevent water being taken away from the gypsum-based adhesive before it has set. Smooth surfaces, e.g. concrete walls or prefabricated objects made of metal framework, must be treated with a suitable quartz powder primer. Walls plastered with hydraulic mortar without surface finishing treatment must be probed over the entire surface to identify cavities and any detached areas of plaster, which must then be removed and restored. The entire surface thus restored should be primed or wetted. For laminated walls the cladding product should be stripped at the bonding points, that must be coupled directly on the masonry.

2

Fixing the slabs with cement-based adhesive. The IsolGypsum Gomma XL panels should be applied to the wall to be restored using a cement-based adhesive class C2 to be spread "in patches" on the surface of the wall in such a quantity as to cover the entire surface of the wall itself. The glue should be spread with a fine toothed spatula (e.g. 3/4 mm). It is also advisable to supplement the fixing with 3 polyethylene plugs, 2 at the top and 1 in the middle of the structure.

3

Installing panels. The panels must be applied to the substrate once the preliminary phases of installation have been completed, consisting of tracing the dimensions of the slab on the ground and on the ceiling and then laying IsolGypsum® Tagliamuro on the ground. A separating tape (half adhesive and half oiled) must be placed at the connection between the boards and the ceiling and non-plasterboard walls adjacent to the wall to be renovated, with the adhesive side facing inwards, in order to create a sliding joint to prevent the formation of cracks and/or multi-shaped cracks following the subsequent plastering phase. The panels are then placed, using appropriate hole patterns, against the existing masonry in a sequential manner, exerting slight pressure. During installation, each panel must be checked for verticality (using a spirit level) and flatness to ensure perfect alignment with the floor and ceiling tracks. Flatness can be achieved by pressing the panels on the outer surface with light hand blows or a metal ruler of suitable length to even out the crushing of the glue "patches". It will then be necessary to carefully place adjacent panels next to each other to prevent the adhesive from leaking out, thus eliminating thermal and/or acoustic bridges, and to wait for the adhesive to set before proceeding to seal and grout the joints.

5

Creating corners. At corners, the surface of the panels should be cut by removing a strip of coated plaster equal to the total thickness of IsolGypsum Gomma XL to leave the rubber on the back of the sheet visible. It will then be necessary to place the second panel directly in contact with the rubber, thus ensuring the continuity of the insulation and avoiding thermal and acoustic bridges

6

Grouting the panels. Joints should be grouted using suitable grout and micro-perforated paper to cover the joints, and this should be done in three coats. In the first coat, the grout must be distributed with a steel trowel on the joints of the panels taking care to fill the joints abundantly so as to reach the level of the surface of the panels and thus prepare the suitable support for the laying of the joint cover. The grouted joints are then immediately covered with "micro-perforated paper joint cover tape" (preferable to micro-perforated mesh) to provide adequate mechanical resistance to the grouting by absorbing the stresses that may occur at the joint due to micro-movements of the substrate, impacts and induced mechanical stresses, or thermo-hygrometric stresses. The micro-perforated paper should be laid with the rough side facing the slab at the centre of the joint (there should be plenty of filler underneath to prevent the paper from peeling off) and should be applied with adequate pressure using a steel trowel, taking care to avoid air bubbles. This will also remove excess grout and widen the grout to give more uniform joints. After checking that this layer is completely dry and that there are no imperfections or micro-irregularities, the second coat of grout can be applied. This coat must be sufficiently wide to bring the grouted surface to the same level as the paperboard surface. Finally, once this second coat has dried, the third and final coat of filler can be applied, which will be very thin. Finally, it will be necessary to trim the protruding excess of the separating tape and proceed with the finishing as a normal plasterboard wall. Indicative grout consumption will be 0.4 - 0.5 kg/ m².



Warnings * ISOLGYPSUM GOMMA XL CANNOT BE USED FOR CEILING APPLICATIONS. For further laying instructions, please contact our Technical Office. You can find all our contact on our website www.isolmant.com

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.

isolmant



Via dell'Industria 12, Località Francolino 20074 Carpiano (Mi) Tel. +39 02 9885701 Fax +39 02 98855702
clienti@isolmant.it - www.isolmant.it - www.sistemapavimento.it - www.isolmant4you.it

Isolmant is a TECNASFALTI srl's registered trademark - © TECNASFALTI - All rights reserved - Copying, even partially, is forbidden - In force since November 2020 - This document supersedes and replaces all previous versions.