

# ISOLMANT SETTO ACUSTICO CG

## PLASTERBOARD INSULATION OF WALLS AND PARTITIONS

A SMART AND VERSATILE PRODUCT DESIGNED TO COMPLEMENT THE ACOUSTIC INSULATION OF PLASTERBOARD STRUCTURES. IT AVOIDS THE FORMATION OF ACOUSTIC BRIDGES.

### WHAT IS ISOLMANT SETTO ACUSTICO CG?

Sandwiched product consisting of two 12.5 mm thick plasterboard panels and a IsolFIBTEC FLC panel (80 mm thermo-bonded fibre of recycled polyester).

### SPECIFIC APPLICATIONS

Isolmant Setto Acustico Fibra CG is a vertical element that completes mobile partitions or plasterboard partitions and is positioned in the air plenum between the wall and the extrados of the lower floor (in the case of raised floors) or between the wall and the intrados of the upper floor (in the case of false ceilings) in order to reduce the insulation losses due to the formation of acoustic bridges (losses that can be estimated at around 10 dB) at the upper or lower vertical joints of the aforementioned construction elements. When used with raised floors, the septum can be laid without fixing to ensure easy removal for maintenance. If used above the false ceiling, mechanical fixing to the intrados of the ceiling is recommended using brackets or metal profiles.

### ADVANTAGES

- It can be used in both renovation and new construction.
- High acoustic insulation against airborne noise.
- Thermal insulation.
- Low thermal conductivity.
- Inalterable in time.
- Unlimited duration.

### SPECIFIC APPLICATIONS

- Easy installation.
- Variable height, on request, to adapt to all site requirements.

#### ISOLMANT Green Planet

- Volatile Organic Compounds free (VOC A+)
  - Environmentally friendly and recyclable.
  - Environmentally friendly production.
  - This product contributes to achieve credits for the environmental certification of a building according to LEED or ITACA standards.
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- This product complies with the requirements defined by Italian CAM Edilizia for acoustic and thermal insulation materials regarding the percentage of recycled material and the absence of hazardous substances.



SUSTAINABLE



HEALTHY



ECOLOGICAL

NOMINAL THICKNESS:	105 mm
SIZE:	Length 120 cm Height: up to 1 metre on request (upon request)
SOUND INSULATION:	$R_w = 48 \text{ dB}$ <sup>(1)</sup>
THERMAL RESISTANCE:	$R_t = 2.17 \text{ m}^2\text{K/W}$
THERMAL TRANSMITTANCE:	$U = 0.46 \text{ W/m}^2\text{K}$
REACTION TO FIRE:	Euroclass B, s1-d0 <sup>(2)</sup>
VOC:	A+
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.
PACKAGE:	single

<sup>(1)</sup> Value calculated according to UNI EN 12354-1 and UNI TR 11175 standards on the following

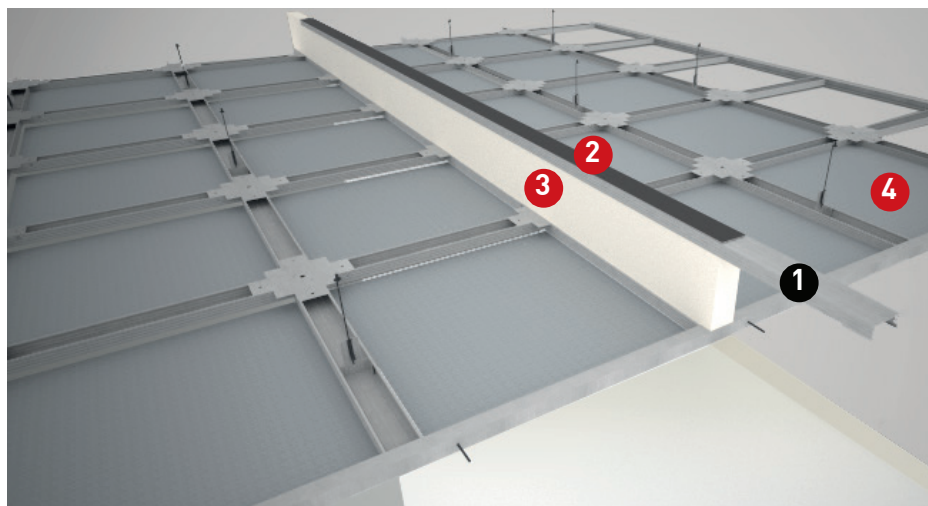
<sup>(2)</sup> CSI test certificate n. CSI / 0118/22 / RF

## ITEM SPECIFICATIONS

Sandwiched Acoustic laminated product made of two 12.5 mm thick plasterboard panels and a IsolFIBTEC FLC panel (80 mm thermo-bonded fibre of recycled polyester). Length 120 cm, height on request up to 1 metre, soundproofing power  $R_w = 48 \text{ dB}$  and thermal resistance of  $R_t = 2.17 \text{ m}^2 \text{ K/W}$  (type Isolmant Setto Acustico CG).

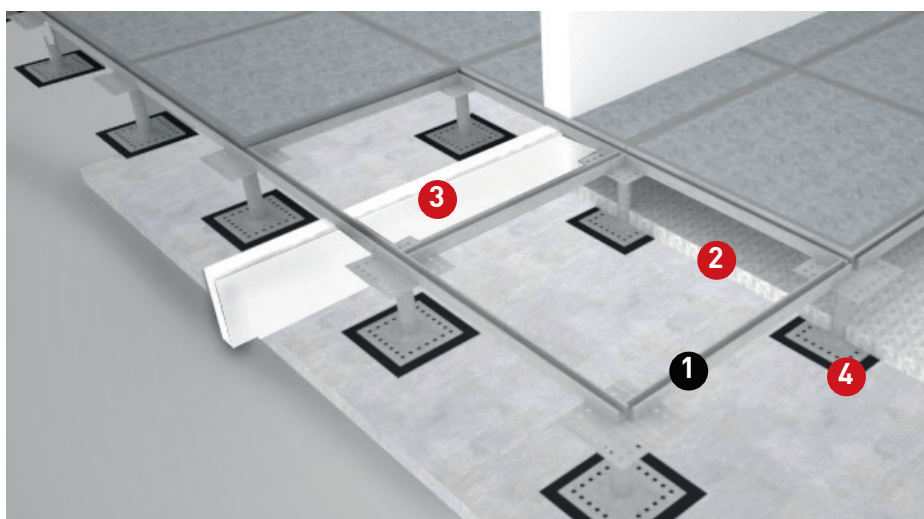


--- PASSAGE OF NOISE



**TO BE POSITIONED IN THE PLENUM OF THE FALSE CEILING**

1. Metal frame
2. Isolmant Nastro Orditura Cartongesso
3. Isolmant Setto Acustico Fibra o CG
4. Isolspace Sky



**TO BE POSITIONED IN THE PLENUM OF THE RAISED FLOOR**

1. Flooring
2. Isolmant Perfetto CG
3. Isolmant Setto Acustico Fibra o CG
4. Isolmant Telogomma tagliato 10x10 cm

## 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



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