



SOUND INSULATION

MULTY-LAYERED PRODUCTS WITH A HEAVY LAYER



HEAVY LAYER PRODUCT: THE ALTERNATIVE TO LEAD

Under the **APLOMB** brand, **TROCELLEN** has been commercialising for many years a multi-layer product, with one or more sheets of lead, laminated with flexible insulating materials.

Lead is not always readily accepted by installers and designers; which is why we have developed an alternative with a polyolefin heavy layer.

Advantages compared to lead

- Non-toxic.
- Combines easily with Trocellen, to obtain a completely recyclable product.
- Roll width > 1 m.
- Available everywhere

Disadvantages compared to lead

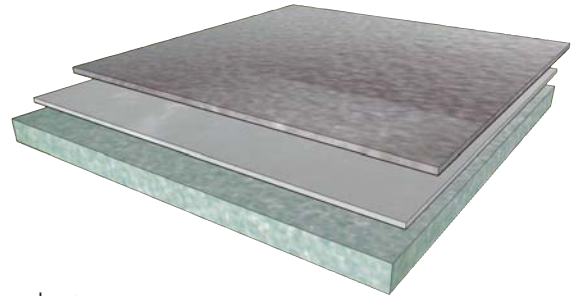
- For an equal weight in grams, greater thickness must be used: This causes a more rigid final product.
- More elastic; less malleable than lead.
- More voluminous.
- Fire retardant.

The ISOLMASS line

A multi-layered product range, with heavy sleeve, laminated with flexible, resilient, and sound absorbing materials.

■ Composition

- Layer of polyethylene foam (anti-vibration), thickness 3 mm.
- Heavy layer weighing 4 kg/m².
- Polyurethane open cell layer (sound absorption), thickness 12 mm.



- **Size:** sheets 1.2 x 3 m.

- **Packaging:** rolled in cardboard box (0.25 x 0.25 x 1.25 m).

■ Applications

Sound insulation of waste water piping in polyethylene or PVC. The product must be installed with the polyurethane in contact with the pipe. Wrap it around the pipe, taking care not to leave any exposed parts and secure it mechanically with straps or metal wire. Wrap it around the pipe, taking care not to leave any exposed parts and secure it mechanically with straps or metal wire

Sound insulation of walls – evaluation index, with a sample curve at 500 Hz, calculating the frequency range between 100 and 3,150 Hz (ISO 140-3, ISO 717-1): $R_w = 25$ dB.

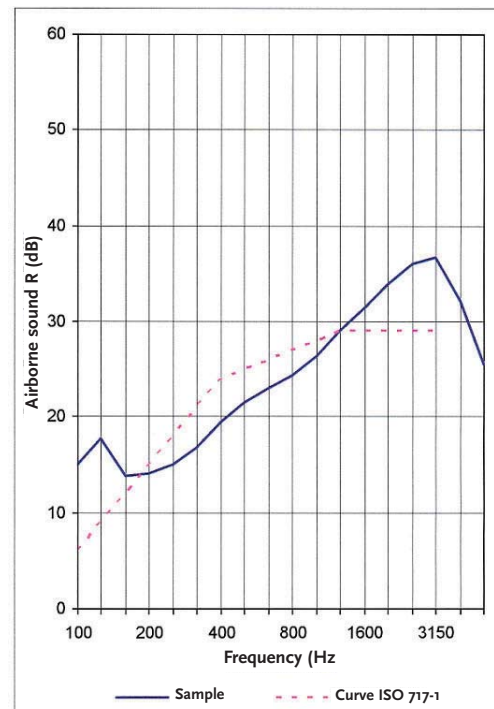


ISOLMASS 11

Trocellen 3 mm

HL 4 kg/m²

PU 12 mm

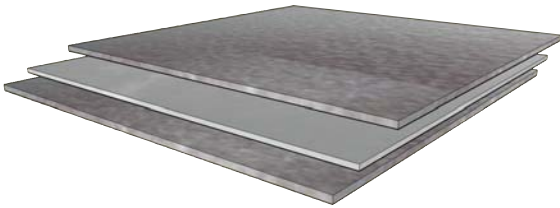




Trocellen 3 mm
HL 4 kg/m²
Trocellen 3 mm

■ **Composition:**

- Layer of polyethylene foam (anti-vibration), thickness 3 mm.
- Heavy sleeve layer weighing 4 kg/m²
- Layer of polyethylenene foam (anti-vibration), thickness 3 mm.

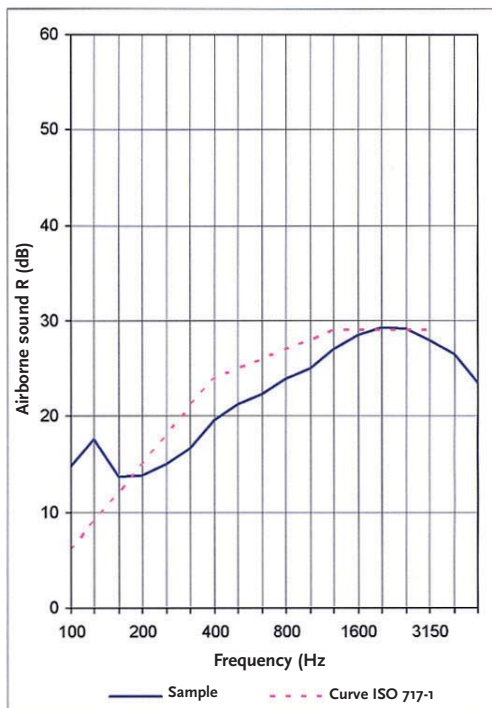


- **Size:** sheets 1.2 x 3 m.
- **Packaging:** rolled in cardboard box (0.25 x 0.25 x 1.25 mm).
- **Applications:**

Flooring underlay and in civil construction walls.

It is used to reduce low frequency sound waves, supplying mass to the partition.

Wall sound insulation - evaluation index referred to sample curve at 500 Hz, calculated in the band between frequencies 100 and 3,150 Hz (ISO 140-3, ISO 717-1): $R_w = 25$ dB.



ISOLMASS DOUBLE LAYER - HEAVY SLEEVE + TROCELLEN

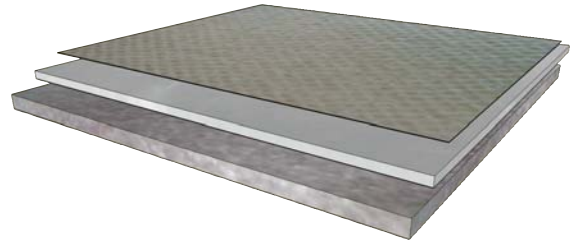
We have also created a set of combinations of a heavy sleeve plus a resilient **TROCELLEN** mat for every day use in the construction sector.

ISOLMASS 5PE3



- **Composition:** 5 kg/m² and 3 mm of Trocellen.
- **Size:** sheets 1.2 x 3 m.
- **Packing:** rolled up in cardboard box (0.25 x 0.25 x 1.25 mm), or in bulk.
- **Applications:**
 - Floor and on light walls: For all uses requiring considerable mass and a desolidifying layer.

ISOLMASS 3-5PE4 P



- **Compositions:** TNT, 3.5 kg/m² and 4 mm of Trocellen.
- **Size:** Rolls 1 x 8 m.
- **Packing:** 20 rolls on a pallet, with stretch film.
- **Applications:**
 - Floor and on light walls: With resilient layer of greater thickness. In this case, the sleeve is provided with a anti-abrasion textile, laminated on the surface.

ISOLMASS 2PE2



- **Composition:** 2 kg/m² and 2 mm of Trocellen.
- **Size:** Rolls 1 x 8 m.
- **Packaging:** 30 rolls on a pallet, with stretch film.
- **Applications:**
 - On floors and light walls : A combination for all ultra-thin applications.

SUMMARY

TROCELLEN ISOLMASS 11

A three-layer composite product for aerial sound insulation of waste water pipes in plastic and partitions in general. Composed of a heavy, charged polyolefinic layer, laminated on both sides with TROCELLEN cross-linked PE foam with a thickness of 3 mm, and open cell PU with an initial thickness of 12 mm.

Net weight: 4.4 kg/m².

TROCELLEN ISOLMASS 22

A three-layer composite product for impact and aerial sound insulation of floors and walls. Composed of a charged, polyolefinic heavy layer, laminated on both sides with TROCELLEN cross-linked PE foam with a thickness of 3 mm.

Net weight: 4.2 kg/m².

TROCELLEN ISOLMASS 5PE3

A two-layer composite product for impact and aerial sound insulation of floors and light walls. Composed of a heavy, charged polyolefinic layer, laminated on one side with TROCELLEN cross-linked PE foam, thickness 3 mm.

Net weight 5.1 kg/m².

TROCELLEN ISOLMASS 3-5PE4 P

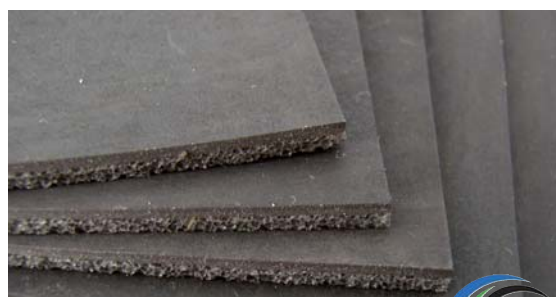
A two-layer composite product for impact and aerial sound insulation of light floors and walls. Composed of a charged, polyolefinic heavy layer, covered on one side with TROCELLEN cross-linked PE foam with a thickness of 4 mm and on the other side with PP protective textile.

Net weight: 3.7 kg/m².

TROCELLEN ISOLMASS 2PE2

A two-layer composite product for impact and aerial sound insulation of light floors and walls. Composed of a charged, polyolefinic heavy layer, covered on one side with Trocellen cross-linked PE foam with a thickness of 2 mm.

Net weight: 2.1 kg/m².



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