PAIM

Acoustic panel with PU foam, aluminized fiberglass technical facing and heavy mass layer. High sound isolation performance for industrial environments without fire requirements.

The **AKUSTIKABSORBER PAIM** range has been developed for applications requiring **effective sound isolation** combined with **high surface resistance** to industrial contaminants, splashes, and other external agents. It consists of a **non-fire-resistant open-cell polyurethane foam**, with an **aluminized fiberglass technical facing** on the exposed side and a **heavy mass layer bonded to the rear**.

This multilayer construction provides three complementary functions: the foam contributes to **airborne sound absorption**, the rear heavy mass acts as a **sound isolation barrier**, while the front facing provides **mechanical and thermal protection**. The system is particularly suitable for **acoustic enclosures, machinery housings, technical enclosures, ductwork, and passage areas**, where noise must be controlled and material durability is essential.

Although PAIM does not provide fire-resistant properties, its **high sound isolation performance** makes it particularly suitable for areas without specific fire requirements, but where acoustic performance and resistance to wear are required.

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In order to adapt its products to the state of the art, Aplicaciones Mecánicas del Caucho, S.A. reserves the right to modify the conception and manufacture of the materials presented in this catalog without prior notice.
Document generated on 10/11/2026.

Drawings

PAIM-15 sheet

Type	Code	Self-adhesive	Rw(dB)	Weight /m2 (lbs)
PAIM-15 sheet	26122	-	20	15

PAIM-15 A sheet

Type	Code	Self-adhesive	Rw(dB)	Weight /m2 (lbs)
PAIM-15 A sheet	26116	✓	20	15

PAIM-25 sheet

Type	Code	Self-adhesive	Rw(dB)	Weight /m2 (lbs)
PAIM-25 sheet	26123	-	21	16

PAIM-25 A sheet

Type	Code	Self-adhesive	Rw(dB)	Weight /m2 (lbs)
PAIM-25 A sheet	26117	✓	21	16

PAIM-40 sheet

Type	Code	Self-adhesive	Rw(dB)	Weight /m2 (lbs)
PAIM-40 sheet	26124	-	22	17

PAIM-40 A sheet

Type	Code	Self-adhesive	Rw(dB)	Weight /m2 (lbs)
PAIM-40 A sheet	26118	✓	22	17

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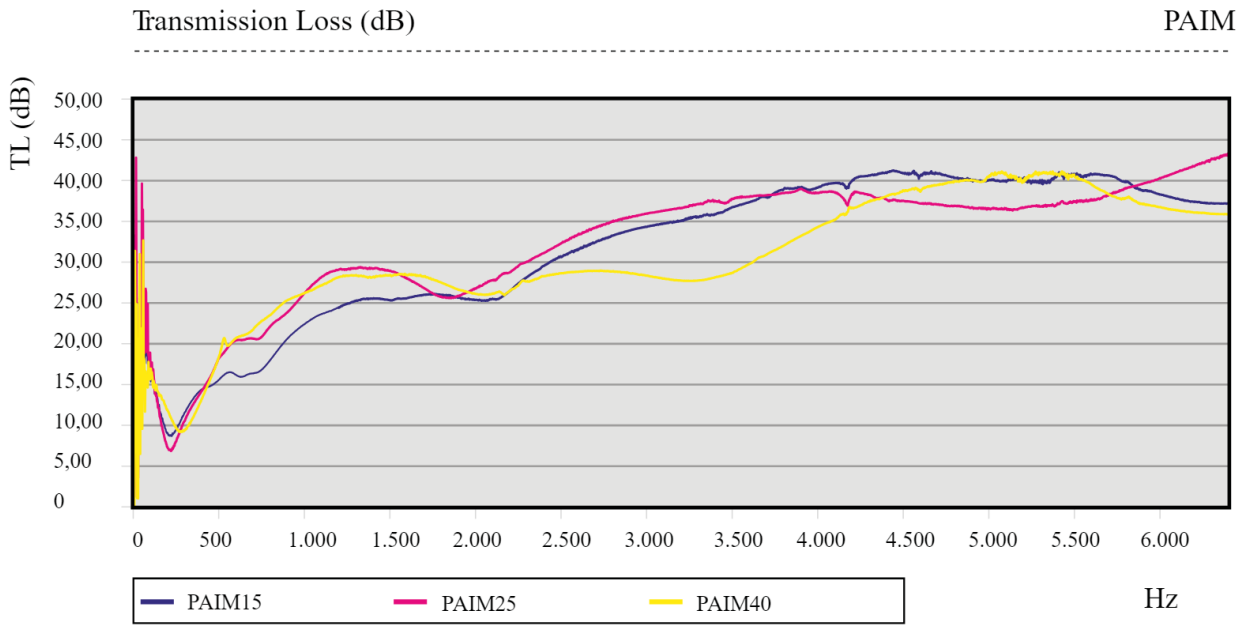
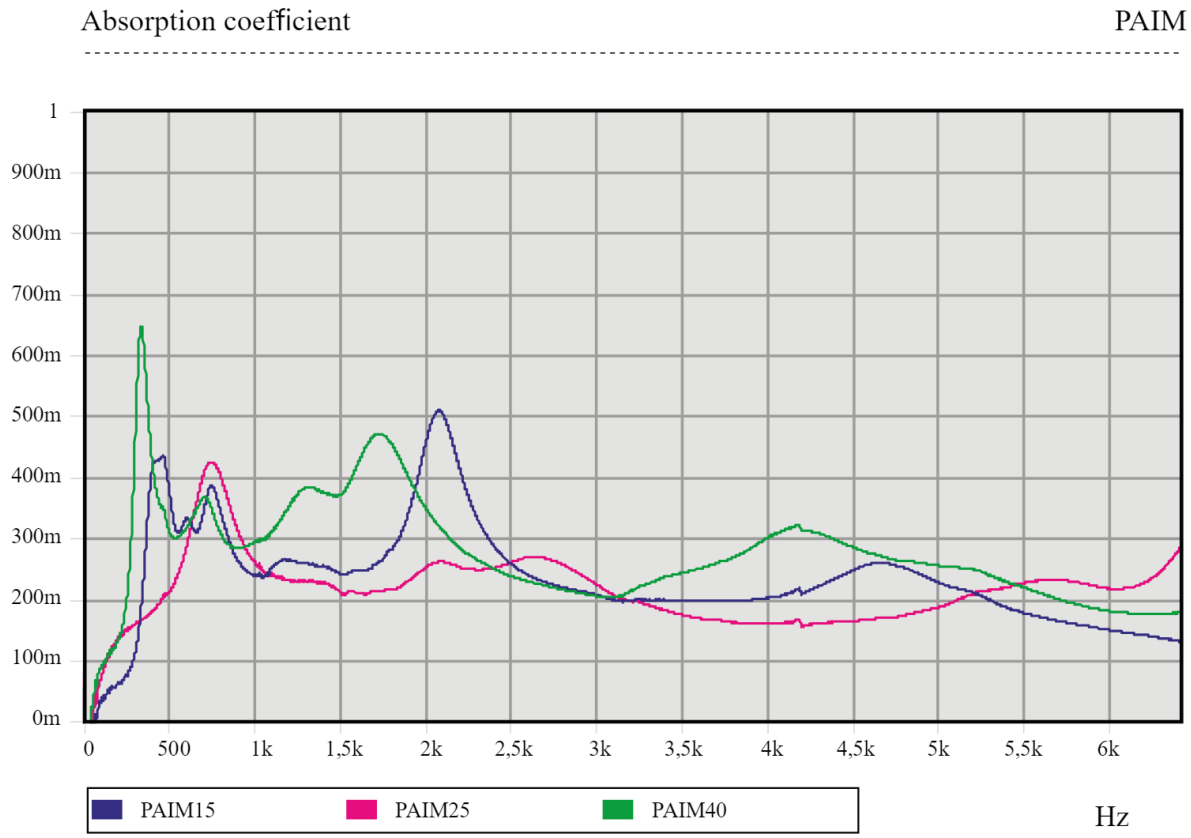
Elastic properties





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Technical characteristics

- CompositionAluminium facing with fiberglass support, absorbing polyurethane foam and 5 Kg/m2 heavy viscoelastic mass.
- Thicknesses15mm 25mm 40mm

Formats

- Sheets1200x1000 mm

15mm thick, 8 Sheets per box.
25mm thick, 5 Sheets per box.
40mm thick, 3 Sheets per box.

Advantages

Material highly resistant to abrasion and dirty environments

Highly abrasion-resistant material, suitable for frequent cleaning.

Excellent fire-retardant performance

This material has good fire-retardant properties and is suitable for industrial applications with a fire risk.

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