PAI

Fire-resistant acoustic isolation panel with polyurethane foam and aluminised glass fibre facing, designed to reduce noise transmission in demanding industrial environments.



The AKUSTIKABSORBER PAI range consists of multilayer acoustic panels developed for applications where sound isolation must be combined with high fire resistance and surface abrasion resistance. These panels combine flexible polyurethane foam with a technical facing consisting of an aluminised glass fibre layer, which acts as a protective barrier and structural reinforcement. This facing provides the assembly with excellent fire performance, allowing its use in demanding industrial environments subject to specific safety requirements.

The PAI design is optimised to reduce airborne noise transmission, making use of the surface mass of the facing and the decoupling properties of the foam. Although its sound absorption performance is not particularly significant — as the foam is closed by the outer film — its primary function is to act as an acoustic isolation barrier, limiting sound propagation through increased mass and the acoustic discontinuity between layers.

It is an ideal option for machinery enclosures, technical partitions, acoustic compartments and internal linings exposed to heat, sparks or abrasive particles, or wherever a resistant and safe material is required. The facing also facilitates cleaning and prevents the accumulation of dust and contaminants.

AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain
Tel.: +34 843 74 00 13
sales@amcsa.es
www.mecanocaucho.com

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 catalogue without prior notice.
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Drawings

PAI-15 sheet

Type	Code	Self-adhesive	Rw(dB)	Weight/m2 (kg)
PAI-15 sheet	26025	-	17	0,853

PAI-15 A sheet

Type	Code	Self-adhesive	Rw(dB)	Weight/m2 (kg)
PAI-15 A sheet	26170	✓	17	1,113

PAI-15 roll

Type	Code	Self-adhesive	Rw(dB)	Weight/m2 (kg)
PAI-15 roll	26022	-	17	0,853

PAI-15 A roll

Type	Code	Self-adhesive	Rw(dB)	Weight/m2 (kg)
PAI-15 A roll	26172	✓	17	1,113

PAI-25 sheet

Type	Code	Self-adhesive	Rw(dB)	Weight/m2 (kg)
PAI-25 sheet	26026	-	19	1,155

PAI-25 A sheet

Type	Code	Self-adhesive	Rw(dB)	Weight/m2 (kg)
PAI-25 A sheet	26127	✓	19	1,391

PAI-25 roll

Type	Code	Self-adhesive	Rw(dB)	Weight/m2 (kg)
PAI-25 roll	26023	-	19	1,155

PAI-25 A roll

Type	Code	Self-adhesive	Rw(dB)	Weight/m2 (kg)
PAI-25 A roll	26173	✓	19	1,415

PAI-40 sheet

Type	Code	Self-adhesive	Rw(dB)	Weight/m2 (kg)
PAI-40 sheet	26027	-	19	1,608

PAI-40 A sheet

Type	Code	Self-adhesive	Rw(dB)	Weight/m2 (kg)
PAI-40 A sheet	26171	✓	19	1,868

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PAI-40 roll

Type	Code	Self-adhesive	Rw(dB)	Weight/m2 (kg)
PAI-40 roll	26024	-	19	1,608

PAI-40 A roll

Type	Code	Self-adhesive	Rw(dB)	Weight/m2 (kg)
PAI-40 A roll	26174	✓	19	1,868

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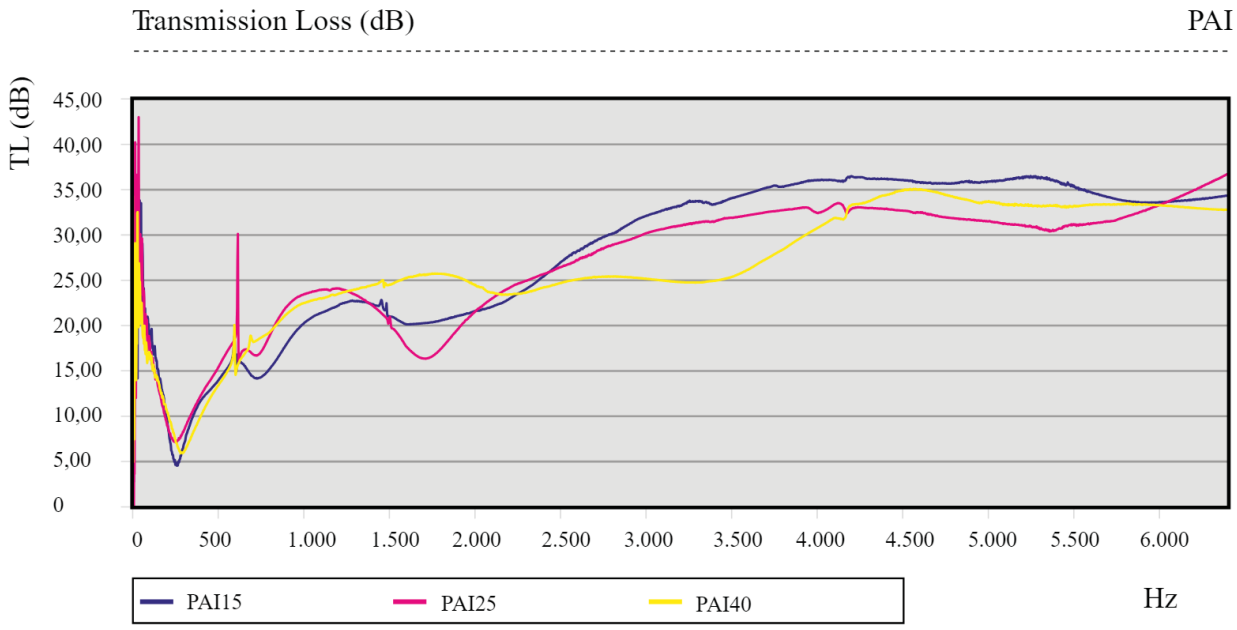
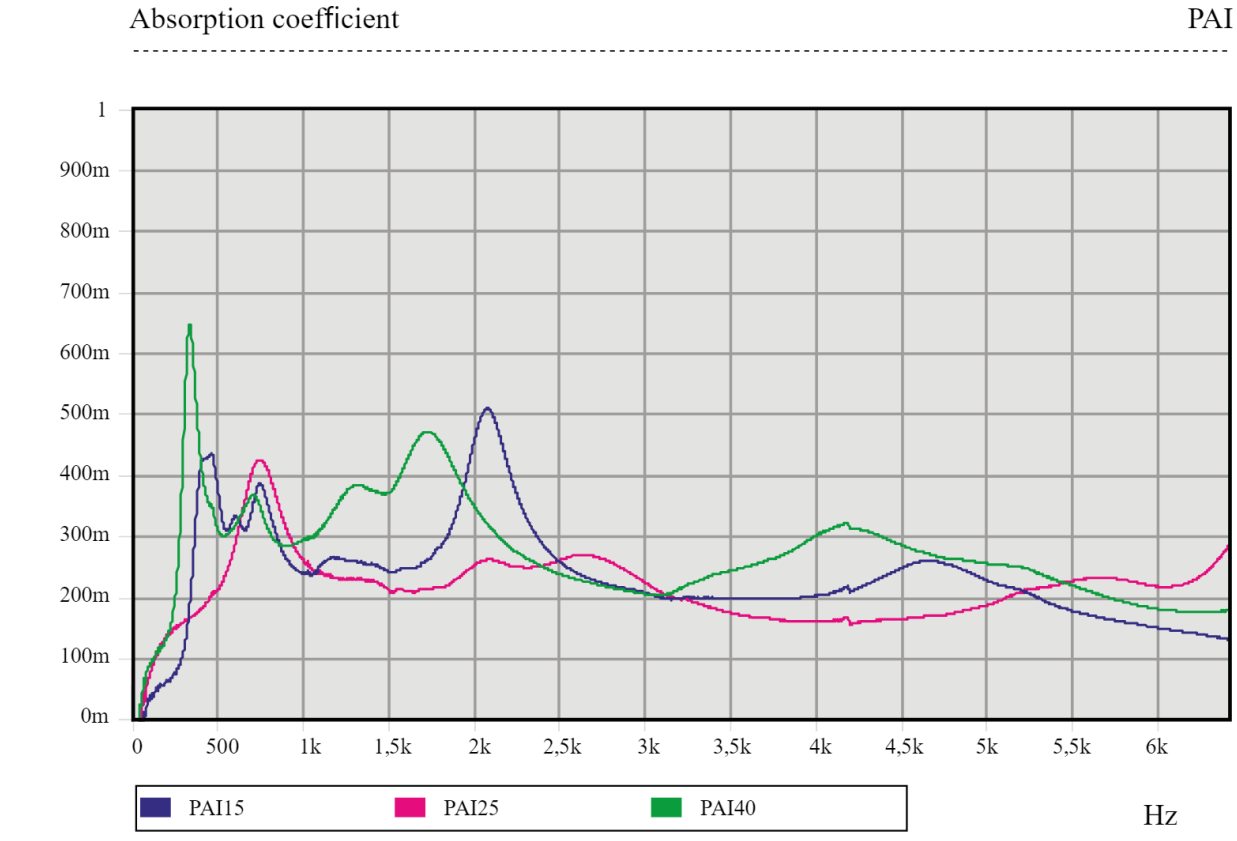
Elastic properties





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Technical characteristics

-

Aluminium facing with fibreglass support and absorbing polyurethane foam.

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15mm 25mm 40mm

Formats

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1200x1000 mm
15mm thick, 8 Sheets per box.
25mm thick, 5 Sheets per box.
40mm thick, 3 Sheets per box.

-

1500mm wide x approx. 20m long

Advantages

Material highly resistant to abrasion and heavily soiled 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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