

SMACBARRIER® RANGE

FLEXIBLE ACOUSTIC BARRIER



SMAC designs and manufactures high performance damping & acoustic solutions for lighter and quieter aircraft & rail projects. Our technical team ensures that customer requirements are met through our wide range of custom & standard vibroacoustic solutions.

BENEFITS

- ▶ Temperature stability from -55 °C (-67 °F) to +170 °C (+338 °F)

APPLICATIONS

- ▶ Acoustic barrier for aircraft & railcar
- ▶ Aircraft flooring, interior panel, body & fuselage noise barrier

FEATURES

PROPERTIES	TEST METHOD	TEST STANDARD	
Flammability & flame propagation	AITM.2.0053	FAR25 §25.856 (a)	✓ PASS
Smoke density	AITM.2.0007	AIRBUS ABD0031	✓ PASS
Smoke toxicity	AITM.3.0005	AIRBUS ABD0031	✓ PASS

- ▶ Pressure Sensitive Adhesive (PSA) available on one side
- ▶ Kit manufacturing following customer drawings
- ▶ Roll dimensions: standard width 1000 mm (39.4 in)
Standard length : 10 m (32.8 ft)
MOQ : 1 roll (other roll sizes available on request)

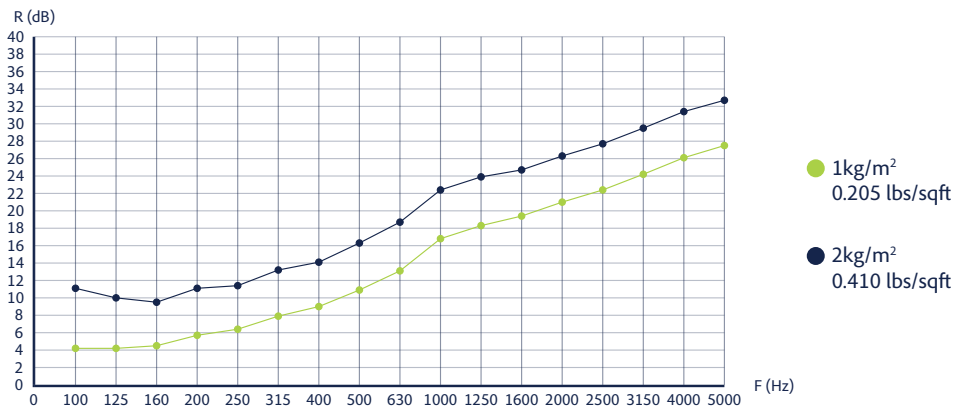
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TYPICAL CONSTRUCTION

The flexible acoustic barrier solution SMACBARRIER® is made of a heavy layer of visco-elastic material. A self-adhesive layer can be attached on the elastomer to ease the installation on interior panel. This product has been engineered to meet demanding requirements of flammability, smoke density and toxicity while ensuring high loss of transmitted sound in the cabin.



PERFORMANCES : SOUND TRANSMISSION LOSS



OUR RANGE OF SOLUTIONS

REFERENCES	NAME	PRESSURE SENSITIVE ADHESIVE	SURFACIC WEIGHT	THICKNESS	PROPERTIES	COLOUR
100599-01	SMACBARRIER EX 2KG/M2 0PSA	None	2.0 kg/m ² 0.410 lbs/sqft	1.33 mm 0.052 in		CLEAR BLUE
100599-02	SMACBARRIER EX 2KG/M2 1PSA	One face	2.14 kg/m ² 0.438 lbs/sqft	1.47 mm 0.058 in		CLEAR BLUE
101711-01	SMACBARRIER EX 1KG/M2 0PSA	None	1.0 kg/m ² 0.205 lbs/sqft	0.66 mm 0.026 in		CLEAR BLUE
101711-02	SMACBARRIER EX 1KG/M2 1PSA	One face	1.14 kg/m ² 0.233 lbs/sqft	0.80 mm 0.031 in		CLEAR BLUE
101712-01	SMACBARRIER ST 2KG/M2 0PSA	None	2.0 kg/m ² 0.410 lbs/sqft	1.17 mm 0.046 in		DARK BLUE
101712-02	SMACBARRIER ST 2KG/M2 1PSA	One face	2.2 kg/m ² 0.451 lbs/sqft	1.38 mm 0.054 in		DARK BLUE
100600-01	SMACBARRIER ST 1KG/M2 0PSA	None	1.0 kg/m ² 0.205 lbs/sqft	0.59 mm 0.023 in		DARK BLUE
100600-02	SMACBARRIER ST 1KG/M2 1PSA	One face	1.2 kg/m ² 0.246 lbs/sqft	0.80 mm 0.031 in		DARK BLUE

TEST PASSED : **Flammability & flame propagation** TEST METHOD : **AITM.2.0053** TEST STANDARD : **FAR25 §25.856 (a)**

TEST RESULT : **Flammability & flame propagation** To be performed in embedded configuration, contact us

TEST PASSED : **Smoke density** TEST METHOD : **AITM.2.0007** TEST STANDARD : **ABD0031**

TEST PASSED : **Smoke toxicity** TEST METHOD : **AITM.3.0005** TEST STANDARD : **ABD0031**

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