

SMACSONIC®

1252S-02

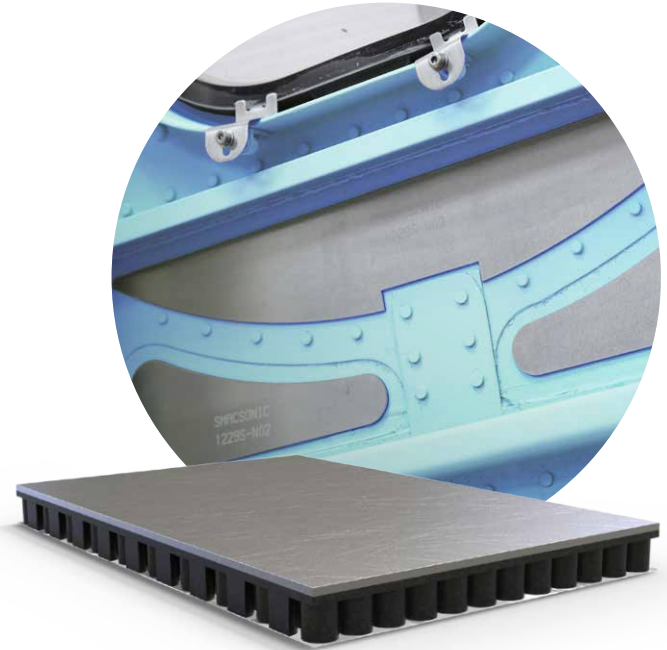


You can download all datasheets on our website : www.smac-sas.com

SMACSONIC® Principle

SMACSONIC® is bonded onto a structure to provide acoustic damping thanks to **Skin Damping Principle**:

Due to alternative flexural modes, the viscoelastic layer is constrained by shearing. Then, the viscoelastic material dissipates energy, damps vibration and reduces noise.



Main Characteristics

- Very High Damping Performances
- Great Flight Heritage
- Wide Frequency Range Damping Performances
- Optimum Temperature Range
- Flammability Tests Approved foll. FAR25-853a and FAR25-856a
- Great Adhesive Performances
- Long Term Ageing

Physical Properties

- **Aluminum Constraining Layer:** 0.3 mm (0.012")
- **Viscoelastic Thickness:** 2 mm (0.04")
- **Overall Thickness:** 2.9 mm (0.07")
- **Weight:** 2 kg/m² (0.41 lb/ft²)
- **Size:** 540 x 540 mm (21" x 21")

Performances

- Long Beam Tests Data following ASTM E756 Adapted
- SMACSONIC® Sample bonded onto a 2mm thick aluminum beam

