



Thinsulate™ Acoustic Insulation

AU Series

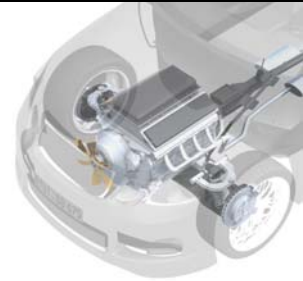
Application Profile

March 2012

General Description 3M™ Thinsulate™ Acoustic Insulation AU Series is a superior sound-absorbing material specifically designed for a variety of acoustic control applications. Its unique combination of fine microfibers that absorb high frequency noise and durable double black surfaces make it ideal for engine side applications where it can be placed near the source of the sound. It is suited for use at 120°C (248°F) for 2000 hours.

It is compressible, lightweight, conformable, and can easily be die-cut, heat sealed, and thermally or sonically bonded to many other substrates.

Typical Applications This illustration demonstrates use of an engine cover for treatment of noise at the source.



Features, Benefits and Applications

Feature	Benefits	Applications
Double black scrim	Rugged Left or right handed Numerous attachment options Sheds water and mud	Fender liner Under engine cover Trunk lining
Thermally stable*	Higher temperature limit	Engine covers** Under engine components

* Temperature limit is 120°C for 2000 hours

** Assess each application for actual environmental temperature profile

Physical Properties (including scrims)

	Weight g/m ² (oz/ft ²)	Thickness mm (in)	Density kg/m ³ (lb/ft ³)	Flammability FMVSS 302 (<101.6 mm/min)
AU 2002-5	285 (0.93)	12.0 (0.47)	23.8 (1.48)	Pass
AU 3002-5	385 (1.26)	19.0 (0.75)	20.3 (1.27)	Pass
AU 4002-5	505 (1.66)	26 (1.02)	19.4 (1.21)	Pass

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Contact Information For additional technical information, please contact your local 3M Acoustic Solutions technical service representative. In the US, please contact 1-866-887-8438.

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