

NuWave Engine Insulation

Product use: NuWave Engine Insulation is a high performance composite product for the most severe engine noise applications. Composites are designed to provide enhanced acoustic performance by combining materials with different noise reduction capabilities into the one product.



Size: Sheets 1.35m x 1m x 32mm

Description:

Engine Insulation is comprised of the following materials:

Back – Foam decoupler (typically 6mm open cell foam, hydrolysis resistant, combustion modified)

Barrier layer – 4 kg/m² loaded polymer barrier, high performance even at low frequencies.

Front – Acoustic absorption foam (typically 12mm or 25mm open cell foam, hydrolysis resistant, combustion modified).

Facing – Tough aluminium polymer film, oil and water resistant. Rated 4Zero to AS1530.3

Application: Engine Insulation should be used with the foil side facing towards the source of noise. It can be easily cut to size using a sharp knife. Surfaces should be clean and free of oil and dust. Apply NuWave contact adhesive to substrate and decoupling foam faces and adhere using adhesive instructions. Mechanical fixing should be used if possible by impaling engine insulation on pin/clip fasteners on 600mm centers, especially if used overhead.

Uses: Marine Engines, Compressors, A/C units, Bus and Truck Engines

Acoustic performance

4kg Loaded Polymer Barrier Rw (C, Ctr) 26 (-1,-3)

12mm Acoustic Foam NRC 0.25

OR

25mm Acoustic Foam NRC 0.70

Technical Reference No. TR - 1 -02001 Rev 3.



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