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VIBRATION DAMPING INTERLAYER for METAL (MDI)
SANDWICHED BETWEEN METALLIC SHEETS.

Soundown Vibration Damping Interlayer for Metal (MDI) is used to damp (dead) vibration in aluminum and steel plates. Damping of plates can reduce vibration and the resulting noise radiated from vibrating plates and panels. Noise sources which have been effectively treated with MDI include:

- structureborne noise in machinery foundations, tank tops, and bulkheads,
- propeller cavitation noise in hull bottom plates,
- water slap and water spray noise generated at the chine and spray rails.

Normal application requires installation of the Soundown MDI interlayer to the panel being treated and covered by a metallic panel having a thickness of 25% that of the base structure. This treatment is usually applied over 70% of the base structure.

For base structures of 1/8" to 1/2", a vibration damping loss factor of about 0.10 is achieved over the frequency range 125 to 1,500 Hz. (This loss factor corresponds to a material that will "thump" and not "ring".)

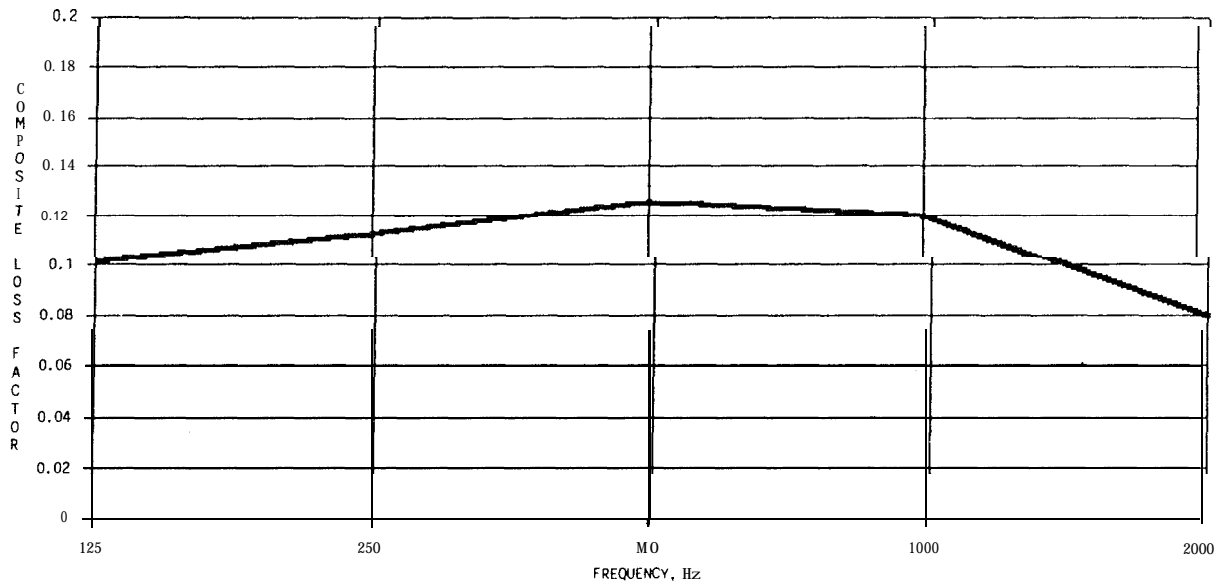
Soundown application engineering assistance can help determine the appropriate MDI treatment for your project.

Soundown MDI

Roll size: 20" x 79'
Thickness: 0.04"
Weight: 0.26 lb/ft.sq
Color: black

SOUNDOWN CORP.

SANDWICH DAMPING with SOUNDOWN M.D.I.
12 mm ALUMINUM + MDI + 3 mm ALUMINUM



SANDWICH DAMPING with SOUNDOWN M.D.I.
6 mm ALUMINUM + MDI + 1.5 mm ALUMINUM

