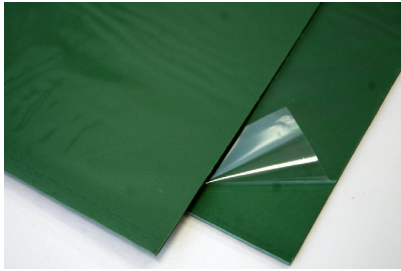
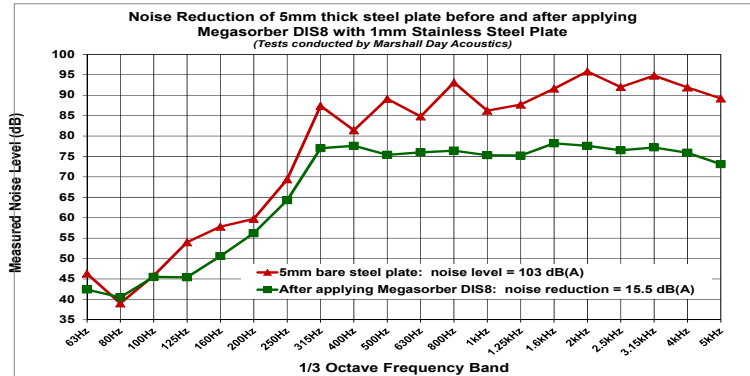


# Vibration Isolation: Megasorber DIS8

## Self-Adhesive Vibration Isolation and Damping Sheet



Videos demonstration: <http://www.megasorber.com/4fold-approach/vibration-damping.html>



### FEATURES

- High vibration isolation and damping efficiency;
- Complying with IMO Resolution A653(16) for marine applications;
- Low flammability: AS1530.3: 0,0,0,0-1 (with constrained aluminium foil or steel top layer);
- High temperature resistance – it can stand up to 180°C in overhead and vertical positions (short term exposure only);
- The latest built-in adhesive technology – excellent adhesion to most substrates including polypropylene;
- Self-adhesive for easy “peel and stick on” application;
- Non-toxic.

### BENEFITS

- Reduce panel vibration and resonant noise effectively;
- Increase sound transmission loss or  $R_w$ ;
- Low installation cost – just peel and stick on;
- Suitable for high temperature applications up to 180°C (short term exposure only);
- Low or non-fire hazard;
- Safe and environmentally friendly.

### TYPICAL APPLICATIONS

- Vibration damping for thick steel substrate: sandwiched between the substrate and 1mm (or 3mm) steel plate for steel substrates up to 12mm thick and 2mm aluminium plate for aluminium substrate up to 12mm thick.
- Marine industries – sound deadener for aluminium panels when sandwiched between the substrate and 2mm aluminium plate. Typical applications are bulkheads, deck, hull and so on.
- Wall partitions: increase the sound transmission loss for plaster boards when sandwiched between the two layers of plaster boards, eliminating “cross talks” between rooms.
- Floor boards: increase the sound transmission loss and reduce the foot impact noise for floor boards when sandwiched between the two layers floor boards.

*Megasorber DIS8 (black) was used to increase the sound transmission loss ( $R_w$  or STC) of stud walls. It eliminated the “cross-talk” between two medical consulting rooms:*

(1) Application of DIS8 onto an existing wall



(2) Cover with another plasterboard



(3) Finish off the installation



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