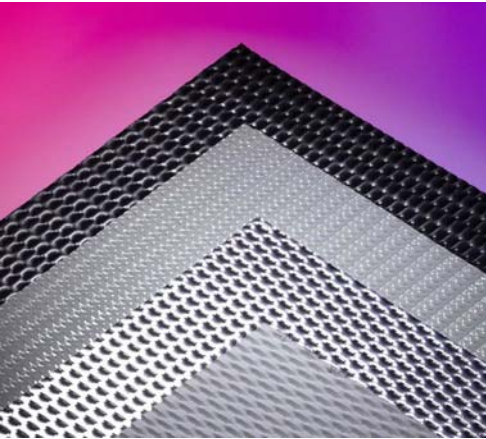


# Technical Data Sheet

## Millennium Plastic Sound Absorption Panels



Millennium Plastic (**MP**) is a patented High Density Plastic sound absorbing panel without any fibers intended for use as a sound absorbing linings of enclosures, platforms and covers in trucks cabs, boat ceiling and swim platforms.

**MP** is a self supporting high density plastic sheet, micro perforated by a patented process to give the optimum airflow resistance for absorbing sound. **MP** is usually installed with an airspace between the absorber panel and the back wall of the enclosure/platform, utilizing spacers and its own self supporting quality. The low frequency performance can be optimized by varying the size of the airspace. Additional performance is gained by adding Melamine foam to the cavity, this has the effect of doubling the low frequency absorption.

As the **MP** has an optimized airflow resistance there is no need to vary the thickness as with flexible foam or fiberglass absorbers to achieve a high level of low frequency absorption.

### Advantages

- Does not attract fluids or dirt
- Easily cleaned – withstands high pressure jets
- Chemically stable
- Fiber free
- Mechanically rigid and tough
- Wear resistant
- Non stick properties
- Recyclable
- Aesthetic appearance
- Technical Data

**Sound Absorption** See Figure 1

**Temperature Resistance** Same as polymer compound

**Flammability** Same as polymer compound

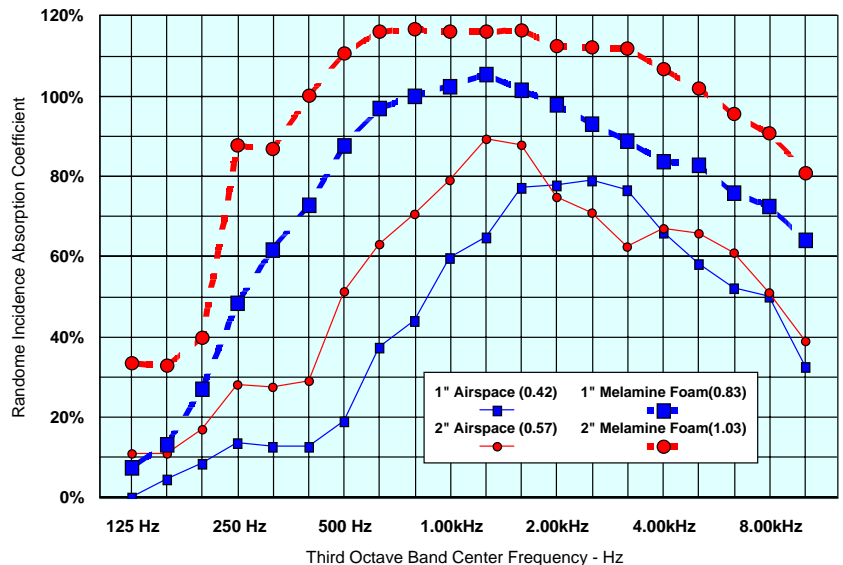
**Material** Can be made from most commercially available grades of thermoplastic

**Standard Colors** Bright White, Translucent other colors may be available depending on demand

**Standard Thickness** 0.060", 0.090" (1.5, 2.3mm)

**Weight** Same as for plastic at given thickness

Figures in (Brackets) AAC - Average Absorption Coefficient  
Results normalized to ASTM C 423-99



**Figure 1** Absorption Factor of 0.080" (2mm) Millennium Plastic in a small reverberation chamber.



**Figure 2 - Millennium Plastic**