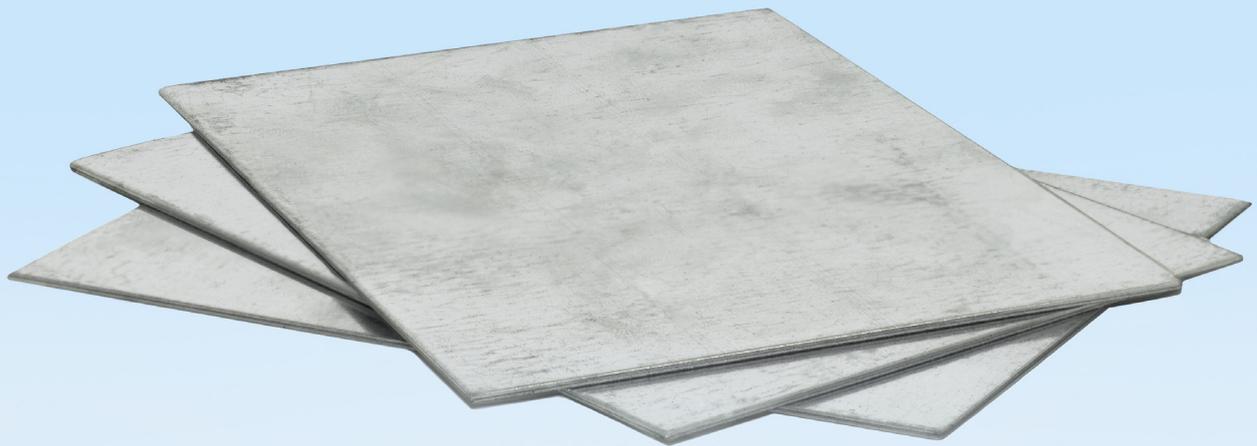


# NORDISK AKUSTIK A/S



## MPM metal sandwich sheets

### Structure sound damping

MPM sandwich sheets are used for insulation in trains, buses, trucks, doors, ports, ventilation shafts, steel furniture, transport doors, elevators, industrial machines, washing machines, calculating machines, vibrators, etc. In stainless steel MPM can be used with great advantage in the food industry.

**MPM Sandwich sheet** in electric galvanized steel, quality 0,5 x 0,1 x 0,5 mm., weight 8 kg/m<sup>2</sup>, size 1000 x 2000 mm.  
Art. nr. 108270

**MPM Sandwich sheet** in electric galvanized steel, quality 0,5 x 0,1 x 0,5 mm., weight 8 kg/m<sup>2</sup>, size 1200 x 2500 mm.  
Art. nr. 108270

**MPM Sandwich sheet** in electric galvanized steel, quality 0,7 x 0,1 x 0,7 mm, weight 11,15 kg/m<sup>2</sup>, size 1000 x 2000 mm.  
Art. nr. 101580

**MPM Sandwich sheet** in electric galvanized steel, quality 1,0 x 0,1 x 1,0 mm., weight 16 kg/m<sup>2</sup>, size 1000 x 2000 mm.  
Art. nr. 109550

**MPM Sandwich sheet** in stainless steel, quality 0,5 x 0,1 x 0,5 mm., weight 8 kg/m<sup>2</sup>, size 1000 x 2000 mm.  
Art. nr. 120080

MPM is a structure sound damping sandwich sheet which consists of two metal sheets with a filler of viscoelastic mass. As a standard MPM is delivered symmetrical where the two metal sheets have the same thickness.

Usually MPM is delivered in electric galvanized or stainless steel but can also be supplied in aluminium.

MPM is used everywhere where damping of structure sound is wanted. By using MPM for chutes, vibrators, transport shafts etc. it is possible to obtain a reduction of the sound level up to 10-20 dB.

When mounting MPM can be welded and stamped as required. When bending there are certain limitations.

It is necessary that the material has had room temperature in 48 hours of approx. 20°C before use.

Heat and cold resistance: MPM can shortly stand up to 230°C.



Fig. 1. Shows the sound pressure level when working on a chute produced of MPM in relation to a chute produced of a steel sheet + a plywood sheet. By using MPM the sound pressure level is reduced with approx. 14dB.

The acoustical loss factor, which is a material quality is able to reach maximum approx. 1,0. Standard sheets and sheet constructions lie usually between 0,001 and 0,01. An MPM sheet is able to exceed a loss factor of 0,5 at optimum conditions. The higher loss factor the higher reduction in sound pressure level dB.

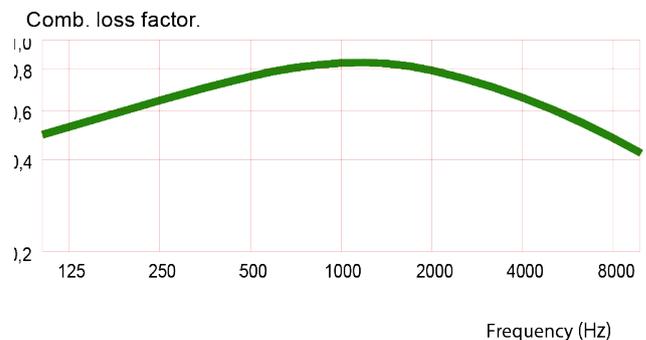


Fig. 2. Loss factor for MPM 0,5 x 0,1 x 0,5 mm. at 20°C, from 0-8000 Hz.

All information and instructions for use of products is based on experiments, test and practical experience. However, they should be treated as general guidelines only. Local conditions and other used materials may influence end results. Nordisk Akustik A/S accept no responsibility for the results achieved when our products are used, as the conditions under which work is carried out is beyond our control.